

19970617.qrp qrp-por0.759
 >From owner-qrp-l@Lehigh.EDU Mon Jun 16 18:04 CDT 1997
 >Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
 > by uro.theporch.com (8.8.6/A-UX-3.0.1) with ESMTP id SAA03327
 > for <shimshon@uro.theporch.com>; Mon, 16 Jun 1997 18:04:00 -0500 (CDT)
 >Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
 > by sco.theporch.com (8.8.6/SCO-5.0.2) with ESMTP id XAA21306
 > for <shimshon@theporch.com>; Mon, 16 Jun 1997 23:03:51 GMT
 >Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
 <35069-58658>; Mon, 16 Jun 1997 19:03:23 -0400
 >Date: Mon, 16 Jun 1997 19:03:11 EDT
 >Sender: owner-qrp-l@Lehigh.EDU
 >Precedence: bulk
 >From: qrp-l@Lehigh.EDU
 >To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
 >Subject: QRP-L digest 759
 >Mime-Version: 1.0
 >Content-Type: text/plain; charset=us-ascii
 >X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
 >Message-Id: <97Jun16.190323edt.35069-58658+181@fidoii.cc.Lehigh.EDU>
 >Status: 0

QRP-L Digest 759

Topics covered in this issue include:

- 1) [21376] RE: 6M QRP !!
by "chuck munce" <k0gjx@msn.com>
- 2) [21377] Looking for Andy, EA8CN
by Juan Antonio L pez Delgado <jalopezd@arrakis.es>
- 3) [21378] *New Fox_Tango Reflector*
by ShortCkt <SHORTCKT@primenet.com>
- 4) [21379] Re: MFJ-418 Review [long]
by Roger Hightower <n7kt@dancris.com>
- 5) [21380] QRP Operation 16 June 97.
by kt3a@juno.com
- 6) [21381] QRP Seminar
by kt3a@juno.com
- 7) [21382] Re: MFJ-418 Review [long]
by ShortCkt <SHORTCKT@primenet.com>
- 8) [21383] RE: MFJ 418 Code Tutor
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 9) [21384] Yet Another Antenna
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 10) [21385] MFJ-418 Update
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 11) [21386] Re: Index contact number please
by tahrens1@juno.com

- 12) [21387] MRX-40 MINI RCVR
by Steve Bornstein <saborns@freenet.columbus.oh.us>
- 13) [21388] KnightLights
by Joel Malman <malman@BBN.COM>
- 14) [21389] Re: KnightLights
by Richard Wilkerson <richqrp@cts.com>
- 15) [21390] Novice QRP Rig on 40 meters, are there any?
by Glasscock Family <glass@televar.com>
- 16) [21391] 20 Meter SST done
by WD6BOR@aol.com
- 17) [21392] Re: Novice QRP Rig on 40 meters, are there any?
by Richard Wilkerson <richqrp@cts.com>
- 18) [21393] Re: Novice QRP Rig on 40 meters, are there any?
by mdwatt@usit.net (Marty Watt)
- 19) [21394] NW QRP Nets (N7MFB Back)
by Bill Todd <bill@techline.com>
- 20) [21395] question
by Bruce Rattray <RATTRAY@siast.sk.ca>
- 21) [21396] Fellow 38S builder needs help`
by ka7you@juno.com
- 22) [21397] Re: Loop Skywire for QRP?
by Anders Wandahl <aw@lib.kth.se>
- 23) [21398] RE: KnightLights
by pthomson@bruderhof.com
- 24) [21399] FS: Working 38Special
by Jim Dolson <dolsonj@ix.netcom.com>
- 25) [21400] RE: KnightLights
by n4js@amsat.org
- 26) [21401] Another SLV "On The Air"
by fmathews@norfolk.infi.net (Frank Matthews)
- 27) [21402] 38S thump.
by "Claton Cadmus" <aplitech@Spacestar.Net>
- 28) [21403] Do I need a frequency counter?
by Dave Greenidge <daveg@jpusa.chi.il.us>
- 29) [21404] RE: Any Update on Dan's Centennial 75M SSB Xcvr???
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 30) [21405] Re: Yet Another Antenna
by "Kevin F. Glynn" <KFGlynn@prodigy.net>
- 31) [21406] RE: [CW] CW QSOs
by Brad Mugleston <bmug@gwl.com>
- 32) [21407] Re: Do I need a frequency counter?
by Monte Stark <ku7y@sage.dri.edu>
- 33) [21408] FS: OHR100/30
by Ed Pacyna <pacyna@auratek.com>
- 34) [21409] St Louis Vertical/ dipole - TVI problem
by KKumar@tele-tv.com (Krishna Kumar)
- 35) [21410] Re: CW Keyboards
by N2QCE@aol.com

- 36) [21411] Re: St Louis Vertical/ dipole - TVI problem
by Vic Rosenthal <rakefet@rakefet.com>
- 37) [21412] RE: St Louis Vertical/ dipole - TVI problem
by pthomson@bruderhof.com
- 38) [21413] QSL info for X5EBL Rep of Srpska
by N2QCE@aol.com
- 39) [21414] Re: CW Fists/ Paddle/Keyer
by AA0QX <AA0QX@Prodigy.Net>
- 40) [21415] Frequency Help
by Brad Mugleston <bmug@gwl.com>
- 41) [21416] South Bend SD-20 Poles
by Bob Hightower <ki7mn@dancris.com>
- 42) [21417] TiCK Question
by "Paul Christensen" <paulc@mediaone.net>
- 43) [21418] RE: St Louis Vertical/ dipole - TVI prob
by abraham@NTCSAL01DA.ntc.nokia.com (Abraham Peter NTC/Dallas)
- 44) [21419] [Fwd: FS: Tek 465 cheap!!!]
by ShortCkt <ShortCkt@primenet.com>
- 45) [21420] Re: Rainbow Tuner
by jeverhar@camden.lmco.com
- 46) [21421] Re: Index contact number please
by k8cv@juno.com (Walt D Amos)
- 47) [21422] Old bug, id and value?
by Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>
- 48) [21423] 10Mhz AM receiver
by Dave Greenidge <daveg@jpusa.chi.il.us>
- 49) [21424] Re: 10Mhz AM receiver
by "Dana H. Myers" <myers@bigboy.West.Sun.COM>
- 50) [21425] Re: TiCK Question
by "Brad Mitchell" <bmitchel@kodak.com>
- 51) [21426] Re: TiCK Question
by "Paul Christensen" <paulc@mediaone.net>
- 52) [21427] Re: St Louis Vertical/ dipole - TVI problem
by Randy Hargenrader <randyh@harksystems.com>
- 53) [21428] Dan's Small Parts Catalog
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 54) [21429] Apt. ant.
by "Thomas J. Whalen" <whalen@swcp.com>
- 55) [21430] RF Noise while mobile
by ka7you@juno.com
- 56) [21431] intellig xcvr
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 57) [21432] SST SHIPPING STATUS?
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 58) [21433] First SST to SST QSO?
by Chris Cartwright <ccart@dns.vidtel.com>
- 59) [21434] Re: RF Noise while mobile
by Chris Cartwright <ccart@dns.vidtel.com>

- 60) [21435] Re: CW Fists/ Paddle/Keyer
by AE0Q V31RY <v31ry@ix.netcom.com>
- 61) [21436] HW8 toroid problem in HW-9s?
by rerobins@unccvm.uncc.edu (Rick Robinson)
- 62) [21437] Re: FS or FT -- Shack Cleaning
by mdwatt@usit.net (Marty Watt)
- 63) [21438] ICQ
by Greg Emerson <gregemmy@lni.net>
- 64) [21439] R/S Clocks
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
- 65) [21440] CQC Swap List
by "Marshall Emm" <mgemm@mtechnologies.com>
- 66) [21441] Re: ICQ
by "Bob Duckworth" <wb4mnf@atl.org>
- 67) [21442] SST Shipping
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 68) [21443] Re: intellig xcvr
by "j.w. thornton" <dub@oklahoma.net>
- 69) [21444] Filing resistors
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
- 70) [21445] Re[2]: RF Noise while mobile
by SDULANEY@ccmail.dsccc.com
- 71) [21446] Re: ICQ
by "j.w. thornton" <dub@oklahoma.net>
- 72) [21447] 30mtr ant from Hustler parts...
by Randy Hargenrader <randyh@harksystems.com>
- 73) [21448] St Louis Vertical/indoor dipole - TVI (e-mail address)
by KKumar@tele-tv.com (Krishna Kumar)
- 74) [21449] Re: Loop Skywire for QRP?
by John Seboldt <rohrwerk@pconline.com>
- 75) [21450] SLV/Feed Lines
by kd4kzq@juno.com (Jim A Norsworthy)
- 76) [21451] Rick Littlefield
by torell@sicom.com (Kent Torell)
- 77) [21452] Re: Loop Skywire
by Bill Howell <bhowell@mail.utexas.edu>
- 78) [21453] Butternut Vertical Efficiency?
by Ed Loranger <we6w@qsl.net>
- 79) [21454] RE: 38S needs help-ERROR in E-mail address
by ka7you@juno.com

Date: Sun, 15 Jun 97 18:45:57 UT
From: "chuck munce" <k0gjx@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [21376] RE: 6M QRP !!
Message-ID: <UPMAIL05.199706152258400503@msn.com>

mike

i worked many ja's running ic502's and the whip ant durring the last 2 peaks!! plus i have worked many states plus k17 kp4 etc. when i had one.yes by all means put up a 3,4 or 5el yagi and have some real qrp fun. 6m has always been a good qrp band heath sixers in the 1960's, a couple of watts on AM. i know many people who worked over 40 states with them and they had a super regen rx besides 73 chuck k0gjj qrp'er and weak signal vhf'er.

From: owner-qrp-1@Lehigh.EDU on behalf of Mike Rhodes
Sent: Saturday, June 14, 1997 7:52 AM
To: Low Power Amateur Radio Discussion
Subject: 6M QRP !!

Recently got the opportunity to borrow a little Icom IC-502 portable rig but don't have a 6M antenna. Decided to stick it on the 40M element of my Force12 C4 HF beam, just to see if I could hear anything. Well, the first evening I hooked it up I heard a 5 and a 7 in QSO (my QTH is Ohio) so I thought 'Hmmm, this ain't too bad!'. Then I found out the 5 was in Michigan and the 7 in Ohio. Oh well, at least I can hear something. Then, last night there was a 6M opening to the East coast, as many of you are probably aware. Heard quite a few stations but most of them were not making the S-meter move. Then I tuned across a station in RI that was really bouncing the meter around. Couldn't resist - gave him a call with my 1 or 2 watts and 40M dipole and he came back on about the 3rd call! Gave me an S3 with peaks to S7. Clueless as to what the SWR might be but it works! Looks like I may have to invest in a real antenna, or at least put up a dipole for the right band!

: -)

73 de Mike / W8DN
weightdn@bright.net
Celina, OH
EN70rm

Date: Sun, 15 Jun 1997 23:06:20 +0100
From: Juan Antonio L pez Delgado <jalopezd@arrakis.es>
To: qrp-1@Lehigh.EDU
Subject: [21377] Looking for Andy, EA8CN
Message-ID: <33A4675C.344B@arrakis.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Dear friends,

I'm looking for to a good friend of mine, Andy, EA8CN.
He moved out Tenerife, Canary Islands, near a year ago.
He told me to fly to Germany and had the intention to
work CW as DL/EA8CN. In fact he is in love with the CW
and in the international contests.

I'll be very gratefully for any information about Andy.

72/73

Juan Antonio, EA8QJ, EA-QRP #196, G-QRP # 9055, QRL-L # 1137

EA-QRP CLUB - Relationship & Development
E-mail: jalopezd@arrakis.es

Date: Mon, 16 Jun 1997 01:21:49 +0100
From: ShortCkt <SHORTCKT@primenet.com>
To: Fox_Tango@QSL.Net, azqrp@dancris.com, baswaplist@foothill.net
Cc: forsale-swap@QSL.Net, ham-books@QSL.Net, Ham-Software@QSL.Net
Subject: [21378] *New Fox_Tango Reflector*
Message-ID: <3.0.1.32.19970616012149.006c3728@mailhost.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Fox_Tango is a mailing list (reflector) devoted entirely
to "vintage" and "classic" equipment manufactured by the
Yaesu Musen Co., Ltd. of Tokyo Japan.

- * equipment, accessories
- * collecting, restoring, refurbishing
- * buy, sell, trade, swap
- * repairs, modifications, enhancements
- * questions, discussions, etc
- * just plain operating old Yaesu stuff

To be added to the mailing list, send email as follows:

TO: majordomo@qsl.net
SUBJECT:
BODY: subscribe fox_tango

To be deleted from the mailing list, send email as follows:

TO: majordomo@qsl.net

SUBJECT:

BODY: unsubscribe fox_tango

To post items to the reflector, send email as follows:

TO: fox_tango@qsl.net

If you have questions or need assistance contact: k7on@qsl.net

Date: Sun, 15 Jun 1997 19:13:34 -0700

From: Roger Hightower <n7kt@dancris.com>

To: adams@chuck.dallas.sgi.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [21379] Re: MFJ-418 Review [long]

Message-ID: <33A4A14D.7F3C@dancris.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well written, and every word is true. I recommended this to my CW class students, and we're doing 11 wpm now, with 25 wpm character speeds. In a couple of weeks they will be ready for the 13 wpm test.

Even as an Extra, I find this gadget to be invaluable. No mobile rig, but the 418 goes with me so I can keep the speed up.

Note to CW instructors: You can put this out to a tape deck, amps, etc and use it in class to generate just what your students need. This is one fine piece of equipment from MFJ.

--

72/73 de Roger N7KT n7kt@dancris.com Mesa, AZ Grid DM43cj

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

AK-QRP 167

Date: Sun, 15 Jun 1997 22:16:08 EDT

From: kt3a@juno.com

To: QRP-l@Lehigh.EDU

Subject: [21380] QRP Operation 16 June 97.

Message-ID: <19970615.220816.5415.1.kt3a@juno.com>

The Central Pennsylvania QRP club

will be in the field from York County,
Pinchot state park. Our setup time
will be about 1600 local, so look for
us around the QRP frequencies after then.
We should be on 20, 30, and 40 meters and
maybe more if propagation permits.

Our club call is KB3BN0 but look also for
calls such as AA3HB, AA3BP, K3NVI, KT3A,
W3HAH, and W3HMS.

This is an annual thing prior to field day
that we do instead of a meeting in June.

Cameron C.R. Bailey <><
Amateur Radio, KT3A
kt3a@juno.com
Mount Wolf, Pennsylvania

Date: Sun, 15 Jun 1997 22:16:08 EDT
From: kt3a@juno.com
To: qrp-l@Lehigh.EDU
Cc: k7sz@juno.com, W3HMS@aol.com, W3HAH@aol.com, kt3a@juno.com
Subject: [21381] QRP Seminar
Message-ID: <19970615.220815.5415.0.kt3a@juno.com>

Central Pennsylvania QRP Seminar

The QRP Society of Central Pennsylvania will host
a two hour QRP Seminar on Saturday 16 August 97
during the York PA Hamfest in the Pennsylvania Room
of the Banquet Center on the York Fairgrounds.

A luncheon catered by the Altland House Banquet
Center, will be available for QRPers, ATVers, and
other participants in multiple seminars from 1200
to 1315 in the combined Pennsylvania Room. The
menu will include sandwiches, drinks, and desert
for \$10.00.

The QRP session will be in Penn. Room 2 from 1315
to 1500. with a 15 minute break about 1400. We
are now arranging 1 or 2 speakers. Rich Arland,
K7SZ will be one speaking on "Why QRP?". Bring
your stuff to show and tell. There will be a time

to do just that.

Cameron C.R. Bailey <><
Amateur Radio, KT3A
kt3a@juno.com
Mount Wolf, Pennsylvania

Date: Mon, 16 Jun 1997 02:27:48 +0100
From: ShortCkt <SHORTCKT@primenet.com>
To: n7kt@dancris.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [21382] Re: MFJ-418 Review [long]
Message-ID: <3.0.1.32.19970616022748.006fdc00@mailhost.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yep, and it is now available on WWW at my CW page:
<http://www.qsl.net/k7on/cw.htm>

Or, from the home page (indirectly):
<http://www.qsl.net/k7on>

>Well written, and every word is true. I recommended this to my CW class
>students, and we're doing 11 wpm now, with 25 wpm character speeds. In
>a couple of weeks they will be ready for the 13 wpm test.

>

>Even as an Extra, I find this gadget to be invaluable. No mobile rig,
>but the 418 goes with me so I can keep the speed up.

>

>Note to CW instructors: You can put this out to a tape deck, amps, etc
>and use it in class to generate just what your students need. This is
>one fine piece of equipment from MFJ.

-Brian
shortckt@primenet.com

Date: Sun, 15 Jun 1997 21:37:49 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Subject: [21383] RE: MFJ 418 Code Tutor
Message-ID: <2.2.32.19970616023749.006795b8@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi,

i want to second chuck's recommendation of the mfj 418 code tutor, but from a T+ emerging from dormancy perspective. i don't have a sufficient receiver currently to listen to or partake in to QSOs (some debugging going on for the OHR-100) to get my code speed up to general/advanced level. i've tried lots of different tapes and programs, but was not really advancing with any of them. see, my code language skills suffer from an abusive history; i got to 10 wpm using one of those unnatural "sight & sound" methods, and the 10 wpm plateau was more of a brick wall.

my road to code recovery has been on the road. my 25 minute highway drive to and from work is now often spent with the mfj 418. i hurdled the 10 wpm plateau by "farnsworthing" the character speed to 24 with the word speed at 10 wpm. not quite a natural sounding rhythm, but it worked. as chuck mentioned, i started out with 2 letter groups, and increased to 5. to give some variety, i play with letter group size and word speed depending on my mood and the amount of traffic. unlike chuck, though, i use the interactive mode while driving.

battery life has been surprisingly good considering the volumes needed to get above a volvo station wagon interior noise level at highway speed.

problems - small. had intermittant loss of power on changing volume or just changing grip on the unit. tightening of the case screws was all it needed. I too get the high frequency hiss at higher volumes, but i can't hear it in the volvo ;-).

btw - to force my hand, i'm going to say here that i plan on taking the general test on 30-June. if all goes well, i'll take the advanced a few weeks later. now i won't be able to back out.

--adam, n2brt/0

adam-kanis@uiowa.edu

Date: Mon, 16 Jun 1997 03:53:32 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [21384] Yet Another Antenna
Message-ID: <199706160253.DAA16205@chuck.dallas.sgi.com>

Yep, you guessed it. Last night a storm came through in the middle of the night and I slept through it, but

evidently there was some wind. The problem with old hard-shelled pecan trees is that as they get older they tend to lose limbs that die and then break off when the wind comes up.

I kept looking at this big limb that was above the antenna (remember the antenna is only at 15 to 20' and the limb in particular was at 45 or better. It came down last night and did severe damage to the antenna.

So off to HomeDepot this morning. I had two choices, #12 or #14 stranded house copper wiring covered, and I chose the #14. Mostly because it was more flexible.

The cost was \$30 for the #12 and \$22 for the #14 for a 500 foot spool, a good supply for about 5 antennas at the rate that I'm having them destroyed by storms.

This wire would also make a relatively cheap source of wire for long wires for field day operations.

Antenna is back up (looks like gonna have to buy some more egg insulators) and seems to be working just fine. Picked up a couple of contacts on 30m.

Looking for 38S's and SST's. Got one 30m SST on order.

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/>

WIMPS: Qs=033 30m=21 17m=5 12m=0 States=20/05/00 DX=03/00/00 QSLs=012

Date: Mon, 16 Jun 1997 04:03:02 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [21385] MFJ-418 Update
Message-ID: <199706160303.EAA16221@chuck.dallas.sgi.com>

Couple of things that I forgot.

I left the protective cover on the LCD display. I figure the extra protection in hauling it around will protect it

from a lot of scratches.

That was a great idea someone had to use the MFJ to make tapes. Can I add that to my notes?

I have asked MFJ to add one more feature and that is for random QSOs have one station off frequency. How many of us in all the two way QSOs we have monitored on the air heard both stations on the exact same frequency? Not many times. It also adds to the effect for teaching.

Now I know that during the foxhunts we hear so many stations zero exactly, but that is a different ballgame. :-)

What I'd give up the random 500 words for is a contest version for SS. You feed in your information and then after that you hear your exchange and the other contest stations.

I do want to congratulate MFJ for the random QSOs using the proper two letter abbreviations for each of the 50 states. I think that is a first that I have seen. It will teach everyone the proper abbreviations. For the SS simulation it would be nice to have the 78 sections.

FYI es I'm done

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/>

WIMPS: Qs=033 30m=21 17m=5 12m=0 States=20/05/00 DX=03/00/00 QSLs=012

Date: Sun, 15 Jun 1997 23:26:04 EDT
From: tahrens1@juno.com
To: k8cv@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [21386] Re: Index contact number please
Message-ID: <19970615.212105.4927.0.tahrens1@juno.com>

Hi Walt - you might try their FAX number.. it works,
and I've gotten some responses to it.

206-851-8385

good luck!

Tim W5FN

Date: Sun, 15 Jun 1997 23:21:41 -0400 (EDT)
From: Steve Bornstein <saborns@freenet.columbus.oh.us>
To: Multiple recipients of list <qrp-l@Lehigh.EDU>
Subject: [21387] MRX-40 MINI RCVR
Message-ID: <Pine.3.07.9706152341.A11754-a100000@login>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

G'day All,

The MRX-40 will be appearing in Dave Ingram's column in the August issue of CQ magazine. Also just received word that it will be in the New Ham Companion section of the September QST.

We have put together another batch of kits that can be ordered for \$18.00 post paid from:

Steve Bornstein K8IDN
475 East North Broadway
Columbus, Ohio 43214

For details on the MRX-40 Mini Rcvr check the CQrp Web page:
<http://www.infinet.com/~len>

73 DE K8IDN STEVE QRP-L 331, ARCI 9059, NORCAL 1717, MIQRP, FISTS 2441,
GQRP 8332, CQRP 1

Date: Mon, 16 Jun 97 0:05:00 EDT
From: Joel Malman <malman@BBN.COM>
To: qrp-l@Lehigh.EDU
Cc: malman@BBN.COM
Subject: [21388] KnightLights
Message-ID: <199706160405.AAA68734@nss2.CC.Lehigh.EDU>

Folks,

Went looking for the KnightLights tonight (Sunday, 6/15) on what I thought was their home frequency: 3,686.4 MHz at 0100z (9pm EDT) and heard nothing but static. Has the KL's QSY again or are maybe down for the summer QRN season? Anyone know ??

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)
WIMPS: Qs=162 30m=146 17m=15 12m=01 States=24/04/00 DX=047/11/01

Date: Sun, 15 Jun 1997 21:30:45 -0700
From: Richard Wilkerson <richqrp@cts.com>
To: malman@BBN.COM
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [21389] Re: KnightLights
Message-ID: <33A4C175.3A77@cts.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joel Malman wrote:

>
> Folks,
>
> Went looking for the KnightLights tonight (Sunday, 6/15) on what I thought
> was their home frequency: 3,686.4 MHz at 0100z (9pm EDT) and heard nothing
> but static. Has the KL's QSY again or are maybe down for the summer QRN
> season? Anyone know ??
>
> /joel wa1qvm (malman@bbn.com ... Concord, Ma.)
> WIMPS: Qs=162 30m=146 17m=15 12m=01 States=24/04/00 DX=047/11/01

The same here in California, Joel.....

--

72's..... Rich
Rich Wilkerson, WD6FDD, Santee, Ca.
NorCal, ARCI, ScQRPions, E.C.R.A.
Boatanchors

Date: Sun, 15 Jun 1997 21:43:27 -0700

From: Glasscock Family <glass@televar.com>
To: "'qrp-1@Lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [21390] Novice QRP Rig on 40 meters, are there any?
Message-ID: <01BC79D5.2A1D75E0@prosseruser018.televar.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Does anybody know if there are any small qrp rigs that will operate on =
the Novice freqs in 40 meters. I am asking this because my dad passed =
his 5 wpm and would like to call home from places outside of VHF range =
while bicycling. Thanks.

KC7QHH

Date: Mon, 16 Jun 1997 00:45:57 -0400 (EDT)
From: WD6BOR@aol.com
To: qrp-1@Lehigh.EDU
Subject: [21391] 20 Meter SST done
Message-ID: <970616002958_614980251@emout08.mail.aol.com>

Just a quick report to the list about the 20 meter version of the SST that I
just finished. It works great!

I started the kit Wednesday or Thursday evening and stuffed the board in just
over two hours. Friday I wound the toroids during lunch after I finished my
sandwich and cookies. last night I soldered in the toroids and cleaned the
board before bedtime. This afternoon I connected it up to the power supply
and an antenna and aligned the receiver, then put it on a dummy load and
peaked the output. All together I figure it went together in just a little
over four hours. Piece of cake.

This comes as no surprise after having built Wayne Burdick's Norcal 40.
Wayne's method of mounting everything on the board and the high quality of
that board and the parts supplied make this an excellent kit for a first time
builder. Very easy, well written manual and, as always, that wonderful kick
when it comes to life as soon as the switch is thrown.

I measured the toroids as I wound them and found RFC5 was 17.5 uH and L2 and
L3 came out at .88 uH with twelve turns. Ten turns brought them both down to
just a little over the specified .6 uH and the power out and resultant
waveform looked great.

Power out at 12.0 volts was 2.25 watts and at 13.5 volts was 2.9 watts. After
trimming C28 the waveform was a perfect sine wave. The AGC worked fine as I

tuned around as evidenced by the blinking LED and indeed did indicate power output as I transmitted.

I found that my tuning range with the MVAM108 and 6.7 uH RFC3 was 14.032 to 50. I tried a 5.6 uH choke and got .041 to .050. The MV209 gave me a range of .042 to .058 with the 6.7 uH and .049 to .060 with the 5.7, so I stayed with the original choke to maintain the greater tuning range. You'll just have to look for me below.

The case went together without a hitch and will look great with that as yet undecided paint job. Maybe Wayne will extend his contest to the August meeting.

Two thumbs up, four stars and a grand prize for this one. The SST has my endorsement.

Darrel, WD6BOR

Date: Sun, 15 Jun 1997 22:00:36 -0700
From: Richard Wilkerson <richqrp@cts.com>
To: glass@televar.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [21392] Re: Novice QRP Rig on 40 meters, are there any?
Message-ID: <33A4C874.3E66@cts.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Glasscock Family wrote:

>
> Does anybody know if there are any small qrp rigs that will operate on the
Novice freqs in 40 meters. I am asking this because my dad passed his 5 wpm and
would like to call home from places outside of VHF range while bicycling. Thanks.
>
> KC7QHH

Try Roy Gregson's 40 mtr. rig... It's great!!!!!!!!!!!!!!

--

72's..... Rich
Rich Wilkerson, WD6FDD, Santee, Ca.
NorCal, ARCI, ScQRPions, E.C.R.A.
Boatanchors

Date: Mon, 16 Jun 1997 05:25:09 GMT
From: mdwatt@usit.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [21393] Re: Novice QRP Rig on 40 meters, are there any?
Message-ID: <33a5ce0c.143472902@smtp.usit.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Sun, 15 Jun 1997 22:00:36 -0700, Richard Wilkerson
<richqrp@cts.com> wrote:

>Glasscock Family wrote:

>>=20

>> Does anybody know if there are any small qrp rigs that will opperate =
on the Novice freqs in 40 meters. I am asking this because my dad passed =
his 5 wpm and would like to call home from places outside of VHF range =
while bicycling. Thanks.

>>=20

>> KC7QHH

> *****

>

>Try Roy Gregson's 40 mtr. rig... It's great!!!!!!!!!!!!!!

You'll also need an antenna -- I've got a nice Outbacker, Jr., for
sale!

:)

72 es 73 de=20

Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~

-----  
Date: Sun, 15 Jun 1997 22:18:57 -0700  
From: Bill Todd <bill@techline.com>  
To: nwq-l@scn.org

Cc: qrp-1@Lehigh.EDU  
Subject: [21394] NW QRP Nets (N7MFB Back)  
Message-ID: <1.5.4.32.19970616051857.006bfbc0@mail.techline.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello Group(s) -

I'm all wrapped up with college until Fall 97', so I am "back in the saddle" as the QNI of the Monday night NW QRP Club Nets. I haven't been around to listen, but I understand the 80 meter net at 0130 UTC on 3710 has been pretty active. I have not heard much from the 30 meter net bunch.

Listen for us at 0100 UTC (6 PM PDT) on 10123 kHz, and a half an hour later on 3710. See you then-

CUL - Bill-N7MFB  
<http://www.techline.com/~bill>

-----  
Date: Fri, 13 Jun 1997 21:28:58 -0600 (CST)  
From: Bruce Ratray <RATTRAY@siast.sk.ca>  
To: qrp-1@Lehigh.EDU  
Subject: [21395] question  
Message-ID: <3658282113061997/A14423/RIEL/11B66D523800\*@MHS>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=US-ASCII  
Content-transfer-encoding: 7BIT

I picked up an old SWR meter from a garage sale and am wondering if anyone is familiar with it. It has the look of something from Radio Shack. It's functions are swr, field strength and antenna matcher. It's Model number is 175. From the instruction sheet I gather it was used for CB. According to the spec sheet the swr/fs section is 52 ohms, freq range is 1.5 mHz to 144 Mhz. The antenna matcher section has a freq range of 25 to 40 Mhz. I guess I could use it for 10 mtrs...tnx & 72 - Bruce(VE5RC) QRP-L#886

e-mail at: [ratray@siast.sk.ca](mailto:ratray@siast.sk.ca)

-----  
Date: Mon, 16 Jun 1997 05:11:09 EDT  
From: ka7you@juno.com  
To: QRP-L@Lehigh.EDU  
Cc: N7VOE@juno.com  
Subject: [21396] Fellow 38S builder needs help`  
Message-ID: <19970616.012253.25271.0.KA7YOU@juno.com>

I received this message from Dan N7VOE, a local builder of a 38S, and I said I would pass it on to the group.

\*\*\*\*\*  
\*\*\*\*\*

Hi Rod,  
Thanks for the assistance,  
I've put in the mods for the keyer, RIT and the modified 5 watt mod.  
I've used the other rig to find out where I was transmitting and it turned out to go from 9.875 to 10.075, 200khz. I've heard WWV. I've checked both the transmit and receive and it seems to be the same freq.

Thanks again,  
Dan

\*\*\*\*\*  
\*\*\*\*\*

He is on E-Mail at N7VOE@JUNO.COM but he is not a subscriber to the QRP-L list. Any clues as to where he should look would be appreciated. I've gone over my notes and haven't seen anything quite like this among the postings.

7 3,

Rod Johnson KA7YOU from CN97AK near Issaquah, Wa. 160M thru 1296 MHz (3456MHz still in the wings)  
NWQRP#120 ARCI#7251 QRP-L#844 NorCal #2007

-----  
Date: Mon, 16 Jun 1997 07:55:14 -0400  
From: Anders Wandahl <aw@lib.kth.se>  
To: JFKluender@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [21397] Re: Loop Skywire for QRP?  
Message-ID: <3.0.16.19970616135523.217fa262@kthbib.lib.kth.se>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 05:55 PM 6/14/97 -0400, JFKluender@aol.com wrote:

>Fellow QRP'ers,

>

> I am moving into a house the end of July and am looking forward to  
>finally getting seriously on the air again! I have been nearly inactive,  
>other than 2m, for nearly 7 years while in college.

> Does anyone out there have any knowledge or opinions of the Loop Skywire  
>antenna? This antenna is decscribed in the ARRL Handbook as being a great  
>multiband performer. I am thinking about building the 80M version which will  
>work well on the ham bands between 3.5 & 30 Mhz, so the review claims.

> For those who don't know, it is a loop of wire 1 wavelength long on the  
>lowest frequency you want to operate (3.5 MHz, in this case). You arrange it  
>in a horizontal loop, as high as possible, with the loop containing as much  
>area as possible (a circle would be ideal). You can feed it with either coax  
>or open line (I intend to use open line, for power loss considerations) The  
>antenna will operate on it's design frequency, and all harmonics.

> Any thoughts, comments?

>

>Joel, NF9K

>

>

Hi all...

I put up a loop skywire (also benamed Sky Loop or German Quad) at my summer  
qth

(SM5HPL) and I'm really satisfied. I had the possibility to compare the  
loop with

dipoles cut for 7 and 14 Mhz and the difference was remarkable. In receive  
mode I

could read S 2-3 higher on my QRP+ meter when using the loop. (My array is  
full

wave length on 80 m, about 7 m above the ground - couldn't put it higher,  
alas.

It's fed in one corner and goes through a 4:1 balun (if I remember  
correct). As a

matter of fact I tried to feed the loop with open line, but it didn't work  
well).

Now I just wait to go on holiday in July and try it out further. Last summer I  
worked among others ZD8, ZP, FY among others with the loop. Wonder what it  
will be

now when sun spots are more to my favour....

Good luck and 72's

Anders SM0HPL

-----  
Date: Sun, 15 Jun 1997 12:24:58 -0400  
From: pthomson@bruderhof.com  
To: qrp-l@Lehigh.EDU (QRP List)  
Cc: malman@BBN.COM  
Subject: [21398] RE: KnightLights  
Message-ID: <F624A5338100001F5CAB@mail.brunderhof.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset="ISO-8859"  
Content-disposition: inline  
Content-transfer-encoding: quoted-printable

KnightLites were there, on 3686 at 0130Z (not 0100Z). The QRN must =  
have been pretty bad, because there were only 3 or 4 checkins. I had =  
to repeat my call 4 times for Bob (AE4IC, NC) to copy it. The local NTS  
net, 2RN, had moved down from 3700 to 3688, and their signals were =  
40 over S9 here, so QRM was also a problem.

72 de KA2QPG  
Pierre Thomson  
Rifton, NY  
-----

From: malman@BBN.COM  
To: "Low Power Amateur Radio Discussion"  
Cc: malman@BBN.COM  
Subject: KnightLights  
Date: Monday, June 16, 1997 12:05AM

Folks,

Went looking for the KnightLights tonight (Sunday, 6/15) on what I thought  
was their home frequency: 3,686.4 MHz at 0100z (9pm EDT) and heard nothing  
but static. Has the KL's QSY again or are maybe down for the summer QRN  
season? Anyone know ??

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)  
WIMPS: Qs=3D162 30m=3D146 17m=3D15 12m=3D01 States=3D24/04/00 DX=3D047/11/0=  
1

-----  
Date: Mon, 16 Jun 1997 08:20:56 -0400  
From: Jim Dolson <dolsonj@ix.netcom.com>  
To: qrp-1@Lehigh.EDU  
Subject: [21399] FS: Working 38Special  
Message-ID: <33A52FA8.52C6@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have a non-modified 38 Special for sale: \$30 which includes shipping. Rig works fine. It is the completed board and pots. Wires are on for power, key, etc, but you will have to add your own connectors for these. Manual included, of course.

Why selling? Time to build something else.

Jim Dolson  
wb8zbd  
dolsonj@ix.netcom.com

-----  
Date: Mon, 16 Jun 1997 08:22:24 -0400 (EDT)  
From: n4js@amsat.org  
To: pthomson@bruderhof.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [21400] RE: KnightLights  
Message-ID: <XFMail.970616082458.n4js@amsat.org>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 8bit  
MIME-Version: 1.0

On 15-Jun-97 pthomson@bruderhof.com expounded:

>KnightLites were there, on 3686 at 0130Z (not 0100Z). The QRN must  
>have been pretty bad, because there were only 3 or 4 checkins. I had  
>to repeat my call 4 times for Bob (AE4IC, NC) to copy it. The local NTS  
>net, 2RN, had moved down from 3700 to 3688, and their signals were  
>40 over S9 here, so QRM was also a problem.

You are not kidding. I started a pre-net QSO about 2250Z. About 15 minutes into it, the net moved right on top! No QRL?, no nothing. Kinda rude, I thought. I

came close to firing up the SB220!

Sent at 08:24:58 on 16-Jun-97

John L. Sielke n4js@amsat.org n4js@pobox.com  
n4js@n4js.ampr.org NJ Grid:FM29LN  
http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884  
QRP-ARCI #9328 CQC #443 CQrp #50  
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243  
WIMPS Qs=025 30m=22 17m=3 12m=0 States=08/02/00 Countries=12/02/00

-----  
Date: Mon, 16 Jun 1997 08:41:55 -0400 (EDT)  
From: fmathews@norfolk.infi.net (Frank Matthews)  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [21401] Another SLV "On The Air"  
Message-ID: <v01530500afcaa71f93d8@[208.131.171.139]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Fellow QRPers,

Just completed the SLV (St. Louis Vertical) yesterday. What a great antenna! Ordered the "Black Widow" 20 ft. pole as suggested on the NorCal Page. Here are a few observations:

The bottom section is not 4ft. as suggested. I could only get 133 turns on the bottom as opposed to the 142. (and yes...I used the recommended cable).

Used 4 radials instead of three.

Resonance occurred in quite a few places with the biggest dip taking place at 10.2 MHz. (30M fans...are you listening?)

Using a tuner and a Scout 555 on 40 Meters I worked a fellow named George (K2IVG) in Haledon, NJ. I'm in Chesapeake, VA. Ok..not DX but it was 3 in the afternoon so I considered myself lucky...especially on the first try. He gave me a 4NN.

Given the artical on transmission lines in this month's QST...I plan on switching my 300 ohm feedline to a 450 ohm "window" line. Seeing the table on page 59 made a believer out of me. Anytime I can put out 100 watts (although I don't...I'm a QRP man) with a SWR of 6:1 on 80 M and have 98 watts still going to the antenna as opposed to only 65 using RG-58A...I'M SOLD!!!

The bottom line is this gang. BUILD ONE!!! This is the first antenna I've ever built and am very pleased. I'm sure you will get the same results. I plan to tinker with it a bit but it worked fine on 40, 30, and 10 via a tuner. Thinking about tuning it strictly for 40M so I can leave the tuner at home. This is a great "little" antenna. Plan to use it for field days and camping.

73, Frank

Frank Matthews  
Technology Education Department  
Oscar F. Smith High School  
Chesapeake, VA 23320  
fmathews@norfolk.infi.net  
KC4FKX      QRP-L #1079    CQC #434    NorCal #2232    AK/QRP #199  
Grid Square FM16

-----  
Date: Mon, 16 Jun 1997 08:13:49 -0500  
From: "Claton Cadmus" <aplitech@Spacestar.Net>  
To: "QRP-1" <qrp-1@Lehigh.EDU>  
Subject: [21402] 38S thump.  
Message-ID: <199706161322.IAA00341@Spacestar.Net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Whilst modifying an MFJ 9020 for FSK I thought I'd steal the offset circuit from the 38s to use for the 170hz shift circuit in the transmit mixer (a NE602). After modification there appeared the "thump" on key up. The original circuit in the 9020 had a 15uh inductor paralleled by a 10k resistor (resistor is not shown in the schematic BTW) in series between the crystal and pin 6 of the 602. I added the inductor back in and the thump is almost gone. I haven't added the resistor yet but it looks like it was added to lower the Q of the inductor. As it's not in the schematic, my guess is it's part of a "fix" on the part of MFJ.

I have sold my 38s kit as it was looking like I'd never get to it so I leave this idea to some other adventurer. But here's my idea for a 38s thump fix.



1. Replace C13, the 47pf cap between pin 6,7 of U3, with a 100pf trimmer (Direct steal from MFJ)
2. Add a 10 to 15uh molded inductor between X3, the 12mHz xtal and, pin 6 of U3.
3. Adjust trimmer for proper beat note frequency when a received signal is tuned for peak.

I think this may work, however when I first looked over the MFJ schematic the 15uh inductors seemed quite large. This rig use 10mHz crystals for the ladder filter, BFO and transmit mixer and "rubbers" the latter two with the circuit described above shown below. I didn't measure the center frequency of the MFJ filter but it appears it is somewhat less than 10mHz due to filter capacitance.

If someone tries this please report back to the list. Hope it works.

----

73 de KA0GKC Claton Cadmus

E-mail cla@spacestar.net

If you live in Minnesota check out this webpage!

<http://www.spacestar.net/users/aplitech/mnqrp/>

----

73 de KA0GKC Claton Cadmus

E-mail cla@spacestar.net

If you live in Minnesota check out this webpage!

<http://www.spacestar.net/users/aplitech/mnqrp/>

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Date: Mon, 16 Jun 1997 07:23:15 -0500 (CDT)

From: Dave Greenidge <daveg@jpusa.chi.il.us>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [21403] Do I need a frequency counter?

Message-ID: <Pine.LNX.3.95.970616070715.6597A-100000@jpusa.jpusa.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang,

I'm wondering if there are some inventive ways to align a receiver without a frequency counter or a commercial receiver? I have a two channel scope and a rf source that is very stable but not calibrated. The rf source is a DDS I built, the 'Julieboard' by VA3BH. I want to start

building a 40M transciever kit but notice that most mention the need of a frequency counter or receiver to align. Should I just wait and get a counter first? What about a counter kit from S&S? I assume I'd be in the same boat without a calibrated source or counter. I would much prefer to build something for fun than buy it prebuilt.

David Greenidge N9QIV  
Chicago, IL

-----  
Date: Mon, 16 Jun 1997 09:50:43 -0500 (EST)  
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
To: qrp-1@Lehigh.EDU  
Subject: [21404] RE: Any Update on Dan's Centennial 75M SSB Xcvr???  
Message-ID: <35446.owen@piper.eeel.nist.gov>

In message Sun, 15 Jun 1997 08:51:40 -0400,  
Jim Dolson <dolsonj@ix.netcom.com> writes:

> Does anyone have any comments on Dan's 75M SSB xcvr? There were quite a  
> few purchased recently. If you have one, how is it going???  
>  
> Jim

Hi Jim,

Ralph N7RI has one and he checks into my 75M phone net (VFN). It has excellent audio, just as good as any of the modern rigs and at 4 watts he usually puts in at least a 5-7 signal to my qth about 125 miles away. Maybe Ralph will read your request and give comments on how it operates and receives. 73 Jim K4CGY

-----  
Date: Mon, 16 Jun 1997 09:40:46 -0400  
From: "Kevin F. Glynn" <KFGlynn@prodigy.net>  
To: <adams@chuck.dallas.sgi.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [21405] Re: Yet Another Antenna  
Message-ID: <199706161339.JAA67956@mail1y-int.prodigy.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Chuck,

Good luck with the antenna. I'm on my second spool of the 14 ga wire. The second spool is pink/red color. I guess you can't see it when it's up in the air.

I've used this wire for all my portable delta loops, inverted-vees and home dipoles as well. IN fact the price I paid for the last spool was \$18/500'. The first went for \$20/500'.

72 Kevin N2T0

-----  
> From: Chuck Adams <adams@chuck.dallas.sgi.com>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Subject: Yet Another Antenna  
> Date: Sunday, June 15, 1997 10:53 PM  
>  
>  
>  
> Yep, you guessed it. Last night a storm came through  
> in the middle of the night and I slept through it, but  
> evidently there was some wind. The problem with old  
> hard-shelled pecan trees is that as they get older  
> the tend to lose limbs that die and then break off  
> when the wind comes up.  
>  
> I kept looking at this big limb that was above the  
> antenna (remember the antenna is only at 15 to 20'  
> and the limb in particular was at 45 or better.  
> It came down last night and did severe damage to  
> the antenna.  
>  
> So off to HomeDepot this morning. I had two choices,  
> #12 or #14 stranded house copper wiring covered, and  
> I chose the #14. Mostly because it was more flexible.  
>  
> The cost was \$30 for the #12 and \$22 for the #14 for  
> a 500 foot spool, a good supply for about 5 antennas  
> at the rate that I'm having them destroyed by storms.  
>  
> This wire would also make a relatively cheap source  
> of wire for long wires for field day operations.  
>  
> Antenna is back up (looks like gonna have to buy some  
> more egg insulators) and seems to be working just fine.  
> Picked up a couple of contacts on 30m.  
>  
> Looking for 38S's and SST's. Got one 30m SST on order.

>  
> dit dit  
>  
> Chuck Adams K5FO CP-60 adams@sgi.com  
> http://reality.sgi.com/adams/  
> WIMPS: Qs=033 30m=21 17m=5 12m=0 States=20/05/00 DX=03/00/00 QSLs=012

-----  
Date: Mon, 16 Jun 1997 08:01:02 -0600  
From: Brad Mugleston <bmug@gw1.com>  
To: "cw@qsl.net" <cw@qsl.net>, "n4js@amsat.org" <n4js@amsat.org>  
Cc: "qrp-1@lehigh.edu" <qrp-1@Lehigh.EDU>  
Subject: [21406] RE: [CW] CW QSOs  
Message-ID: <01BC7A2B.720D7C00@pps-pc10.gw1.com>  
Content-Type: text

For us "CW children" on the block. I have about 135 CQ QSO's under my belt (Out of about 136 total QSO's). And I "chat". Its not easy to do. The problem is you want to exchange the "Required" information then you have nothing to say. Think about it before hand, what do you like to do? What were you doing just before you got on the air, have your kids, dogs, wives done anything different in the last 50 years. If you live in a cave, talk about that. If your really boring (like my brother-in-law) make stuff up. BUT write it down and use it on the air. The person at the other end would like to "chat" as much as you do but has the same problem.

You'll find the old guys and gals will try to chat with you - go for it, don't worry about speed, ask for repeats and let your imagination run wild on spelling. If you enjoy CW or like its challenge try CW chatting, its lots of fun.

de KB0ROL, Brad

-----  
From: n4js@amsat.org[SMTP:n4js@amsat.org]  
Sent: Friday, June 13, 1997 9:14 AM  
To: cw@qsl.net  
Cc: qrp-1@lehigh.edu  
Subject: [CW] CW QSOs

I have been thinking about the contacts I made yesterday while out on the boat  
striper fishing. I really enjoyed using the little Sierra at 2W into the SLV/MMA vertical. A couple of the QSOs were interesting, and typical of why CW

is so much fun. One was with WA0FGY, in S.D. Jiggs was 72, retired Railroad, and was collecting FISTS numbers. Naturally, I didn't remember mine, but Jiggs was ready, and gave ME MY number, as well as his. Then there was VE2XJ, Mike in Montreal. I described the beautiful weather, fishing, etc. He kept saying how jealous he was, and wanting to know if I wanted to trade places.

Anyway, people think you can't "chat" or socialize on CW. Hogwash!

Just some comments from a ham for 39 years, coming back to the "CW Fold."

Sent at 15:21:31 on 13-Jun-97

John L. Sielke n4js@amsat.org n4js@pobox.com  
n4js@n4js.ampr.org NJ Grid:FM29LN  
http://www.qsl.net/n4js NJ-QRP #57 QRP-L  
#884  
QRP-ARCI #9328 CQC #443 CQrp #50  
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243  
WIMPS Qs=025 30m=22 17m=3 12m=0 States=08/02/00 Countries=12/02/00

< >  
< \* \* \* \* \* THE CW REFLECTOR \* \* \* \* \* >  
>  
\_\_Subscribe To: Majordomo@qsl.net with Body: subscribe cw <email addr>  
\_\_Unsubscribe To: Majordomo@qsl.net with Body: unsubscribe cw <email  
addr>  
\_\_To post, send to cw@qsl.net please, CW issues only  
\_\_To contact list owner, email to owner-cw@qsl.net

-----  
Date: Mon, 16 Jun 1997 07:15:12 -0700 (PDT)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: Dave Greenidge <daveg@jpusa.chi.il.us>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [21407] Re: Do I need a frequency counter?  
Message-ID: <Pine.SUN.3.90.970616071249.25399A-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dave,

I won a S&S counter at Dayton this year. While I haven't finished it yet, let me just say that I am impressed with the quality of the board and parts.

Plus Dick and Kathy are always there to answer any questions.

Note: I have no interest in S&S, I'm just very happy with the kit!

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Mon, 16 Jun 1997 10:32:40 -0400  
From: Ed Pacyna <pacyna@auratek.com>  
To: qrp-l@Lehigh.EDU  
Subject: [21408] FS: OHR100/30  
Message-ID: <3.0.16.19970616103238.2ebfbf1a@galaxy.auratek.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

30M OHR100 in new condition....\$95 + ship

Ed  
W1AAZ

-----  
Date: Mon, 16 Jun 1997 10:52:41 -0400  
From: KKumar@tele-tv.com (Krishna Kumar)  
To: qrp-l@Lehigh.EDU  
Subject: [21409] St Louis Vertical/ dipole - TVI problem  
Message-ID: <0000A4E2.1755@tele-tv.com>

Hi gang,

( SORRY for not posting stuff related to QRP. I am desperate to get

on the air and this group has an immense wealth of knowledge, so i thought that i can get some advice. I am new to this and would like to set up a shack. Sorry for the long message, just providing all the info for analyzing and advising.)

I have my HF rig sitting on my table and i desperately wanted to get on the air. I have a new MFJ -949E tuner. I live in an Apartment (3rd floor, facing the woods, with tall trees). My request to put a commercial vertical in the balcony was turned down. I hung a random wire along the rain water drain pipe and tried to tune it, no one heard me and also i was getting RF in the shack. The tuner recommends the use of 30w, to get a full scale measure to tune. I switch to AM mode, adjust the power to about 30w and then tune. The tuner and the rig are earthed to the water pipe. Now the problem.

1) I put an indoor dipole for 20m, on leg just hangs about 4 feet from the rig and 3 feet from the TV. When i tune at 30W, i get TVI on ch2/4/5. Is this normal that the harmonics will be radiated by a commercial rig? I fed the dipole with a 450 ohm ladder line. I don't know about the neighbours-if they too get TVI (just afraid). My telephone also is disturbed. Is there any solution to this?

2) After this, i tried to build a St louis vertical. I had 88 turns of 12awg wire on a 1-1/2 inch dia PVC pipe and then the rest built like the original St louis vertical design. The loading coil is about 4 feet from the bottom of the PVC pipe. The radials all lie on the balcony and extend into the living room. The radiator is about 16 feet or so. i have the pvc pipes in the following config { 1-1/2 inch (10 feet) to 5 feet of 1 inch, 5 feet of 3/4 inch pipes). The mechanical strength is ok. I used a 450 ohm ladder line. I tuned it and found that the SWR is good down to anywhere between 1.5:1 to 1.1:1. But the same old problem came again. The TVI and the telephone. The loading coil is 2 feet from telephone inlet to the apt. The vertical is in the balcony. It is slightly tilted, since the roof comes in the way, the vertical radiator is about 4-5 inches away from the metal edges of the roof. Is there a solution to my TVI problem. I was happy with the SWR, but again no one was able to hear me. Does the trees in front have any relevance to this?. This will be my last resort before i stop experimenting and go for a commercial loop.

3) Do i need a low-pass filter?.

4) In the meanwhile, The Vienna Wireless society (Northern Virginia) will be hosting a field day on 28 and 29th June. The operators will be on all bands 80-10m, 2m packet etc. I will let u guys have more info as soon as i get them.

Please advice.  
Thanks  
krishna  
(w4/vu2vku)

-----  
Date: Mon, 16 Jun 1997 11:23:26 -0400 (EDT)  
From: N2QCE@aol.com  
To: qrp-1@Lehigh.EDU  
Cc: bnlarc-1@bnl.gov, liqrp@waterw.com  
Subject: [21410] Re: CW Keyboards  
Message-ID: <970616112151\_-529694189@emout16.mail.aol.com>

In a message dated 97-06-14 21:43:20 EDT, gsurrency@juno.com wrote:

> If anyone has any comments on the keyboard they are using, I would like  
> some input. I am looking at the ones that MFJ has, the MFJ-452 and  
> MFJ-498. It looks like the '452 will do all I need, the '498 just has a  
> lot more memory capacity. Yes, I would like to have the Heath HD-8999,  
> but I was inactive when Heath was selling these and they seem to be as  
> scarce as hen's teeth.

I am also interested in this. Please forward answers to me, too... TNX de  
John

John M. Evans N2QCE  
E-mail n2qce@aol.com  
<http://www.islandlink.com/n2qce>

-----  
Date: Mon, 16 Jun 1997 08:30:12 -0700  
From: Vic Rosenthal <rakefet@rakefet.com>  
To: qrp-1@Lehigh.EDU, KKumar@tele-tv.com  
Subject: [21411] Re: St Louis Vertical/ dipole - TVI problem  
Message-ID: <33A55C04.3362@rakefet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Krishna Kumar wrote:  
>



> 1) I put an indoor dipole for 20m, on leg just hangs about 4 feet from  
> the rig and 3 feet from the TV. When I tune at 30W, I get TVI on  
> ch2/4/5. Is this normal that the harmonics will be radiated by a  
> commercial rig? I fed the dipole with a 450 ohm ladder line. I don't  
> know about the neighbours - if they too get TVI (just afraid). My  
> telephone also is disturbed. Is there any solution to this?

If you get TVI on just those channels, it is likely caused by harmonics (which are certainly generated by any rig) and a low-pass filter will help. You may also have a problem of fundamental overload of your TV front end, in which case a high-pass filter on the TV may help. Try the low-pass filter first. Improving the TV antenna (using an outdoor antenna instead of a 'rabbit-ears') will also help. The telephone may be helped by a line filter. One brand that is expensive but works is the K-com (sold by AES, HRO, etc.). It costs about \$16 but has worked for me.

> 2) After this, I tried to build a St Louis vertical. I was happy  
> with the SWR, but again no one was able to hear me. Does the trees  
> in front have any relevance to this?.

Probably the main problem is the lack of a radial ground system. You MUST have a good radial system to get good results from a vertical. I doubt that the trees are a big part of the problem.

Good luck!

Vic K2VCO

-----  
Date: Sun, 15 Jun 1997 16:01:15 -0400  
From: pthomson@bruderhof.com  
To: qrp-l@Lehigh.EDU (QRP List)  
Subject: [21412] RE: St Louis Vertical/ dipole - TVI problem  
Message-ID: <A65CA5338100001F5CAB@mail.bruderhof.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset="ISO-8859"  
Content-disposition: inline  
Content-transfer-encoding: 7bit

In my experience, the main problem is the location of your antenna rather than its design. RFI can best be cured by moving the RF source farther from the affected device.

Harmonics from modern transmitters are reduced to a small fraction of the fundamental power, but they are there. If you

transmit 30w inside your apartment, you may also be putting out several milliwatts on harmonics. Put that a few feet from a TV receiver and you'll sure pick it up. But at 100 feet it will be reduced to almost nil.

If you can get a wire to the trees outside, I would suggest you try putting the antenna out there and feed it with coaxial cable (or balanced open-wire if it's a balanced antenna) from your tuner. Your TVI problem will probably disappear. You can make an antenna out of virtually invisible wire (#20 copper with green insulation for example) and it will work fine at low power levels (<100W). Trees make convenient supports and they do not affect full-size antennas too badly.

I hope this helps you get on the air!

73 de KA2QPG,  
Pierre Thomson

-----

KKumar@tele-tv.com wrote:

I have my HF rig sitting on my table and i desperately wanted to get on the air. I have a new MFJ -949E tuner. I live in an Apartment (3rd floor, facing the woods, with tall trees). My request to put a commercial vertical in the balcony was turned down. I hung a random wire along the rain water drain pipe and tried to tune it, no one heard me and also i was getting RF in the shack. The tuner recommends the use of 30w, to get a full scale measure to tune. I switch to AM mode, adjust the power to about 30w and then tune. The tuner and the rig are earthed to the water pipe. Now the problem.

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loading coil is 2 feet from telephone inlet to the apt .The vertical is in the balcony. It is slightly tilted , since the roof comes in the way , the vertical radiator is about 4-5 inches away from the metal edges of the roof.Is there a solution to my TVI problem. I was happy with the SWR, but again no one was able to hear me. Does the trees infront have any relevance to this?. This will be my last resort before i stop experimenting and go for a commercial loop.

3) Do i need a low-pass filter?.

-----  
Date: Mon, 16 Jun 1997 11:48:07 -0400 (EDT)  
From: N2QCE@aol.com  
To: qrp-1@Lehigh.EDU, tenten-1@Lehigh.EDU, bnlarc-1@bnl.gov, liqrp@waterw.com  
Subject: [21413] QSL info for X5EBL Rep of Srpska  
Message-ID: <970616114504\_72230552@emout11.mail.aol.com>

Hi Gang,

Can anyone help me out with a direct route to X5EBL in the Republic of Srpska (former YU1)?

Ham Call don't seem to have it... TNX de John N2QCE

John M. Evans N2QCE/F  
E-mail n2qce@aol.com  
<http://www.islandlink.com/n2qce>

-----  
Date: Mon, 16 Jun 1997 10:50:32 -0500  
From: AA0QX <AA0QX@Prodigy.Net>  
To: AE0Q V31RY <v31ry@ix.netcom.com>  
Cc: qrp-1@Lehigh.EDU  
Subject: [21414] Re: CW Fists/ Paddle/Keyer  
Message-ID: <33A560C8.6B43@prodigy.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

AE0Q V31RY wrote:

>

> At 12:41 14-06-97 -0500, you wrote:

> >For running mobile, I like a microsoft Mouse. I took out the insides  
> >and put in a Curtis keyer. I can hold it in my and and send with my  
> >first and second fingers.  
> >  
> >I would like to figure out how to disable the Curtis "A" or "B" options.  
> >Running mobile I get too many extra dits and dahs if I get over 15 wpm.  
> >  
> >72 de Austin aa0qx  
> >  
> >  
> Hello Austin.. I think you get too many character elements because the  
> mouse uses micro-switches.. They have a LOT of slop, compared to mechanical  
> paddle contacts that are either on or off with very little movement. Once  
> you close a mouse button, it takes too long for your finger to move up far  
> enough to open the micro-switch, with all the internal travel it has..  
> I once tried a mouse for a paddle, but I seldom send below 25 wpm and it  
> was completely unusable for me!!  
> >  
> The dot and dash memories that are part of Curtis keyers (and most all  
> others) should help you send faster, not make it harder.. They give you  
> some slop in the timing of when you close your paddle contacts.. If you  
> could disable them in the Curtis chip it would probably be even harder to  
> send well!  
> >  
> Have you tried one of the little Whiterook paddles?? They're only \$10  
> (postpaid!) and work pretty well.. I use mine camping, and some friends  
> have theirs permanently stuck to the console between the seats of their  
> vehicles for mobile operating.. It's not like a \$100 set of paddles, but  
> they do work OK.. I've used them in a contest before, and they don't slow  
> me down, hi..  
> >  
> Good luck -- Glenn  
> -----  
> "Remember, any tool can be the right tool!" Red Green  
> >  
> AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
> v31ry@ix.netcom.com --SOWP 5558-M, QCWA LM, ARRL LM, NCVA--  
> <http://www.qsl.net/ae0q>

Thanks for the helpful info. I have never heard of Whiterook paddles.  
Can you give me some info on them and where to find a catalog?

Thanks!

Austin aa0qx

-----

Date: Mon, 16 Jun 1997 09:54:52 -0600  
From: Brad Mugleston <bmug@gwl.com>  
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>  
Subject: [21415] Frequency Help  
Message-ID: <01BC7A3B.58B5CD60@pps-pc10.gwl.com>  
Content-Type: text

Happy Fathers Day,

For FD (fathers day not Field Day) I got, or am getting, a DMM with the ability to read frequencies (1khz to 15MHz). Just goes to show you that you can get what you want with enough hints (product number, order phone number and credit card number). I do have a problem, they didn't cover how to use this tool in any of my accounting classes.

Is there a common place to hook one up - I know it tells me in the Explorer II instructions - need to reread them, how about the 49er or the 38 Special or my Pixie. Where do I stick the probes to read a frequency that may mean something.

Thanks

de KB0ROL, Brad

BTW when does the FOX hunt start again? I can't wait.

-----  
Date: Mon, 16 Jun 1997 09:14:12 -0700 (MST)  
From: Bob Hightower <ki7mn@dancris.com>  
To: qrp-l@Lehigh.EDU  
Subject: [21416] South Bend SD-20 Poles  
Message-ID: <199706161614.JAA12845@dancris.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Has anyone compared this telescoping pole to the Black Widow? I get an impression that the SD-20 is somewhat larger in diameter (at the base), and would like to know what the difference is.

I may be able to get hold of some of the SD-20's at a price of \$15.15 each plus shipping from my qth to yours. If interested, let me know. Due to the short time left, probably won't be able to get them out for Field day, tho.

73,  
Bob KI7MN (ki7mn@dancris.com) Chandler, AZ  
Grid DM43bi Lat 33.334500 Long -111.87260  
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL  
<http://www.dancris.com/~ki7mn>  
WIMPS: QSO's=18 30=18 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=5

-----  
Date: Mon, 16 Jun 1997 12:28:00 -0400  
From: "Paul Christensen" <paulc@mediaone.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [21417] TiCK Question  
Message-ID: <19970616161844.AAA6388@jaxadmin2-89.se.mediaone.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Is it possible to program the TiCK such that the sidetone is normally muted while in a QSO, but activates only upon programming, speed changes, etc? What I'm trying to accomplish is to use the rig's own sidetone during normal use.  
Thanks!

-Paul

-----  
Date: Mon, 16 Jun 1997 19:31:49 +0300  
From: abraham@NTCSAL01DA.ntc.nokia.com (Abraham Peter NTC/Dallas)  
To: KKumar@tele-tv.com (KKumar), qrp-1@Lehigh.EDU (Low Power Amateur Radio Discuss)  
Subject: [21418] RE: St Louis Vertical/ dipole - TVI prob  
Message-ID: <1997Jun16.185225.1604.2201443@ntcit-mmta6.ntc.nokia.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="ISO-8859-1"

Hello

> I live in an Apartment  
Just like me !

>The tuner and the rig are earthed to the water pipe.  
Try disconnecting the ground so that it is isolated from ground when you operate.  
Since you have a non-ideal antenna (being in a apt. and all) your water-pipe is also part of the antenna. Your water pipe will radiate a little,  
and your water pipe probably connects with your neighbors water pipe so you might be transmitting ( not a whole lot of power, but just enough ) inside your neighbors apts.  
I don't have my station grounded, I just have a dipole, fed with twin lead into my tuner, then radio. ( of course , I disconnect the antenna when I'm not using my station )

>I put an indoor dipole for 20m, on leg just hangs about 4 feet from  
>the rig and 3 feet from the TV. When i tune at 30W,i get TVI on  
>ch2/4/5. Is this normal that the harmonics will be radiated by a  
>commercial rig?  
Yes, Channel 2 = 54-60 MHz, and Channel 3 = 60-64 MHz  
Even if the harmonic radiation is extremely low ( -30 dBm for example)  
Since you are so close to the tv, ( 3-4 feet ) their will be interference.  
I test cellular and PCS base station. and everything has harmonic radiation, you can really do 2 things, filter it out and keep it away from sensitive things  
( like your TV)

> My telephone also is disturbed. Is there any solution to this?  
Now a days, telephone are made cheaply, there is 2 solutions to this, buy a phone that is geared or a high RF environment ( hard to find ) or put a capacitor across your telephone speaker ( not sure what value range but I'm sure you can find out if you try different values )

>2) After this , i tried to build a St louis vertical.  
Sorry, don't have experience here  
But I'm sure you will receive many good responses

>3) Do i need a low-pass filter?.  
You might, but I'm guessing the problem is not spectral impurities ( i.e. high power harmonics ) but rather your transmitter is close to your TV. Your telephone is not due to harmonics, but rather rf in the shack. Since you are tuning twin lead, you twin lead becomes part of the antenna so you have RF in the shack.

Their is nothing "wrong" with your station, it is just that you live in an apt

and sometime you gotta compromise different things to make the land lord happy. I fully Understand, for I also live in a apt.

My next big Ham Radio purchase will be to buy a house ;)

-Peter

Peter C. Abraham - KB2INO | 1-817-490-5932 voice  
RF Engineer | 1-817-490-5699 fax  
Nokia Telecommunications | peter.abraham@ntc.nokia.com  
<><

-----  
Date: Mon, 16 Jun 1997 16:42:26 +0000  
From: ShortCkt <ShortCkt@primenet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [21419] [Fwd: FS: Tek 465 cheap!!!]  
Message-ID: <33A56CF1.11D9@primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Subject: FS: Tek 465 cheap!!!  
Date: Mon, 16 Jun 1997 11:37:17 -0400  
From: jbarkley@vnet.net  
Newsgroups:  
misc.industry.electronics.marketplace,rec.radio.swap,sci.electronics.equipment

Tek 465 scopes 275.00 while they last.  
No probes and shipping is not included.  
Working condition...

Joe Barkley

-----  
Date: Mon, 16 Jun 97 13:03:09 EDT  
From: jeverhar@camden.lmco.com  
To: qrp-1@Lehigh.EDU  
Subject: [21420] Re: Rainbow Tuner  
Message-ID: <9706161703.AA17227@train11.CAMDEN.LMCO.COM>



Hi Mike,

You had a few questions about the Rainbow Tuner. here are some answers:

I think that perhaps some explanation of the wiring in Figure 3 might help you. You are correct in saying that the bridge is to be bypassed during normal operation. This is done by switch S1 whose contacts are shown in the accompanying ASCII sketch. In the bridge bypass position, switch contacts S1D and S1E are connected together by the lower switch arm and contacts S1A and S1B are connected together by the upper switch arm. RF comes in through the "hot" side of the XMTR IN coaxial connector through S1D to S1E and goes to S1A through the wire connecting the two switch contacts. It then goes through the upper switch arm to S1B and out to the "hot" side of the ANT coax connector. In this condition, there is no RF connected to the IN and OUT pins of the bridge since the switch arm is connected to the left-hand S1 contacts.

By the way, lest there be any confusion, the shield side of both coax connectors are permanently wired connected together with the GND pin on the pc board. The wires from the board IN pin goes to "only" S1F and the OUT pin goes "only" to S1C. There is no connection where the wires shown in the schematic diagram cross since there is no connection "dot".

With S1 in the other position, the Bridge is in-line with the tuner. Here S1E and S1F are connected together by the lower switch arm, connecting the XMTR In RF signal to the bridge IN pin. Similarly S1B and S1C are connected together by the upper switch arm, so that RF from the bridge OUT pin flows to the ANT coax connector.

```
S1A  S1B  S1C
o____o    o

      o____o    o
S1D  S1E  S1F
```

S1 Bridge bypass position

```
S1A  S1B  S1C
o    o____o

      o    o____o
S1D  S1E  S1F
```

S1 Bridge in-line postition

If the switch wiring is not as it needs to be, you will not be able to get correct SWR indications so be sure it wired up as per the above.

On the other hand you really don't even need the switch for bridge and tuner checkout. You can jsut wire the transmitter to the IN and GND pins and the tuner to the OUT and GND pins.

As noted on the errata sheet that should have come with your Rainbow, the board markings at the top right of the board (and Figure 3) are reversed. The top right-hand pin is really GND and the one directly underneath it is 50 OHMS. These must also be correctly wired for the Rainbow to work correctly.

If you have any further questions, please feel free to contact me at

n2cx@voicenet.com

and I will try to help you!

BTW, I have cc'ed the qrp-l and NJQRP e-mail reflectors with this answer so that if any other folks are having problems but are too shy to ask, they can benefit by my answers to you.

72/73,

Joe E., N2CX

-----  
Date: Mon, 16 Jun 1997 15:47:32 GMT  
From: k8cv@juno.com (Walt D Amos)  
To: tahrens1@juno.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [21421] Re: Index contact number please  
Message-ID: <19970616.162225.10270.5.k8cv@juno.com>

Thanks.....no fax machine here any more , now retired. But did send off a registered letter and \$10 bucks to buy back my radio. Sent e-mail to ARRL and they can't help as he does not advertise any more with them. One fellow said he talked to Bruce at a swap and he said SGC now has everything, and that's not what was in QST but he may just have said to heck with all the trouble. Would have been nice to have had the radio for field day.....oh, well .....guess there is something to be learned in everything.

Walt K8CV

We're just a small sub-group of an eclectic corner of a dying hobby.....

-----  
Date: Mon, 16 Jun 1997 09:54:17 -0700  
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>  
To: qrp-1@Lehigh.EDU  
Subject: [21422] Old bug, id and value?  
Message-ID: <9145.866480057@safety.ics.uci.edu>

I just got another OMNI VI (had to sell my first when I needed money)  
from an estate of a ham near Ventura, CA. He had a bug, old  
looking thing, had a plate on it:

Gold  
Bunnell

It is numbered: #364

It is in good shape but needs cleaning up. Anyone know anything  
about it? The fellow helping to sell the stuff is interested in  
a fair value to ask for it, if you can help, that would be great.

72

Clark  
WA3JPG  
QRP 3526  
off to the Zuni Loop at the end of the month!

-----  
Date: Mon, 16 Jun 1997 11:18:40 -0500 (CDT)  
From: Dave Greenidge <daveg@jpusa.chi.il.us>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [21423] 10Mhz AM receiver  
Message-ID: <Pine.LNX.3.95.970616110939.8614A-100000@jpusa.jpusa.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang,

I've been thinking about my frequency counter question to the group. What if I built a 10Mhz AM receiver to tune in WWV then zero beat my DDS against the signal. I would then have a calibrated signal from my DDS, right? Now where should I look for a circuit for a simple 10Mhz AM rx?

David Greenidge N9QIV  
Chicago IL

-----  
Date: Mon, 16 Jun 1997 10:31:53 -0700 (PDT)  
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>  
To: daveg@jpusa.chi.il.us  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [21424] Re: 10Mhz AM receiver  
Message-ID: <Roam.SIMC.2.0.6.866482313.2375.myers@bigboy>  
Content-Type: text

> Hi Gang,  
>  
> I've been thinking about my frequency counter question to the group. What  
> if I built a 10Mhz AM receiver to tune in WWV then zero beat my DDS against  
> the signal. I would then have a calibrated signal from my DDS, right?  
> Now where should I look for a circuit for a simple 10Mhz AM rx?

There have been many projects published over the years - QST, 73 and Ham Radio all have a few. Unfortunately I can't simply point to a specific article or issue. Perhaps you can ask the good souls at the ARRL for help locating a WWV receiver project.

Alternatively, you \*can\* look in the ARRL Handbook and figure out how to build your own WWV receiver. It would be fun and educational.

Ramsey probably sells at lease one WWV receiver that would do the trick, too, though you almost certainly would have to re-engineer the circuit to make it work well ;-)

Dana K6JQ  
Dana@Source.Net

-----  
Date: Mon, 16 Jun 1997 13:53:32 -0400

From: "Brad Mitchell" <bmitchel@kodak.com>  
To: <paulc@mediaone.net>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [21425] Re: TiCK Question  
Message-ID: <9706161750.AA06751@iiatasun.cba.Kodak.COM>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Paul, and gang.

You can change the chip to do what you want, but you cannot change the default.

Unfortunately there is no Non Volatile memory in the TiCK chip, so default settings cannot be changed.

However, if you want to save your setup, and you have one of the boards from E.R., what you could do is battery backup the chip with a 3v watch battery. That would save your setup.

You would have to use a shotky (low voltage drop diode from the 3V battery) because the chip is rated at 2.5 v minimum. the diode would protect from the 5V regulated frying the 3v battery. However, you may also have to put a diode in series with the 5V regulated output, because otherwise when the 5V source is off, it could drain off the 3v battery through the 78L05.. I'm not sure about that thought.. What does the output impedance of the 78L05 look like when turned off?

73 and good luck.  
Brad WB8YGG

-----  
> From: Paul Christensen <paulc@mediaone.net>  
> Is it possible to program the TiCK such that the sidetone is normally  
> muted

-----  
Date: Mon, 16 Jun 1997 14:09:20 -0400  
From: "Paul Christensen" <paulc@mediaone.net>  
To: <bmitchel@kodak.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [21426] Re: TiCK Question  
Message-ID: <19970616180003.AAA26727@jaxadmin2-89.se.mediaone.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Brad:

What is the default? Is it with sidetone on? If I understand you correctly, I can turn the sidetone off, but I'll need to program it each and every time upon powering up....unless I provide a constant voltage source as you suggested. Correct?

-Paul

----

From: Brad Mitchell <bmitchel@kodak.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Monday, June 16, 1997 1:53 PM

Subject: Re: TiCK Question

>Hi Paul, and gang.

>You can change the chip to do what you want, but you cannot change the  
>default.

>Unfortunately there is no Non Volatile memory in the TiCK chip,  
>so default settings cannot be changed.

>However, if you want to save your setup, and you have one of the boards  
>from E.R., what you could do is battery backup the chip with a 3v  
>watch battery. That would save your setup.

>You would have to use a shotky (low voltage drop diode from the 3V  
battery)

>because the chip is rated at 2.5 v minimum. the diode would protect from  
>the 5V regulated frying the 3v battery. However, you may also have to  
>put a diode in series with the 5V regulated output, because otherwise  
>when the 5V source is off, it could drain off the 3v battery through the  
>78L05.. I'm not sure about that thought.. What does the output impedance  
>of the 78L05 look like when turned off?

>

>73 and good luck.

>Brad WB8YGG

>

>

>-----

>> From: Paul Christensen <paulc@mediaone.net>

>> Is it possible to program the TiCK such that the sidetone is normally  
>> muted

>

>

>

-----  
Date: Mon, 16 Jun 1997 14:12:36 -0400

From: Randy Hargenrader <randyh@harksystems.com>  
To: KKumar@tele-tv.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [21427] Re: St Louis Vertical/ dipole - TVI problem  
Message-ID: <33A58214.48D5@harksystems.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

my two cents...

Sometimes we are too polite for our own good... As a former apartment dweller, I lived by the "its easier to get forgiveness than permission" policy. I guess I wouldnt have asked, and then had a "glass jaw" when they contact you to take it down! hi!  
Of course, you could figure a way to "camouflage" the SLV and get it back out on the balcony where it belongs... You have a lot going for you with the third floor height. But you dont want to have the antenna in close proximity of the TV's in the building.  
Another thought is to use a loop antenna, but they are harder to make and more expensive to buy. But I hear they are good performers (especially over no antenna!).  
Can the SLV or a derivative be put in a flag pole or a large rubber plant?

--

73, (Sir)Randy WJ4P  
Knightlites QRP-L #296 ARCI #9152 1996 40-9er High Scorer

-----  
Date: Mon, 16 Jun 1997 19:53:16 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-l@Lehigh.EDU  
Subject: [21428] Dan's Small Parts Catalog  
Message-ID: <199706161853.TAA18081@chuck.dallas.sgi.com>

Gang,

Jerry Parker, Web Page Guru, and NorCal keeper of the pages, posted earlier today that there was a new catalog online at <http://www.fix.net/dans.html> for Dan's Small Parts and Kits in Missoula, MT.

OK, I got some spare time at lunch, since I managed to beat the rush hour yuppie's to the cafe and back, and I decide that I outta print out the catalog and see what's new. I still like hardcopy. OK, who's the clown that printed off 55 pages here on the printer? Oh, that's me!!!

Hey, this isn't a catalog. It's a book.

In the old days I remember when we didn't get a new catalog but once a year. And it was only a few pages. Times are a changing. :-) Two things that come instantly to mind and that is the larger audience and the savings on time and stamps to turnaround a copy.

Thanks to the many many individuals that daily contribute to the hobby as a whole with their time and energy. QRPers are indeed a lucky group. We are indeedly spoiled by the instance access across state and country boundaries to get information. Check it out if you are going to build anything and I don't think you should wait too long on some parts as they get scarce. IMHO.

I have noted some typos and prices that obviously typos, low and high values.

OK, where's the checkbook?

dit dit

zz

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/>

WIMPS: Qs=037 30m=21 17m=5 12m=0 States=22/05/00 DX=03/00/00 QSLs=014

-----  
Date: Mon, 16 Jun 1997 12:55:06 -0600 (MDT)

From: "Thomas J. Whalen" <whalen@swcp.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [21429] Apt. ant.

Message-ID: <Pine.SUN.3.91.970616124207.11263B-100000@kitsune.swcp.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Fellow QRPers! I think what I would do for an antenna in Krishna,s case would to extend a length of pvc tubing 1" dia out from the deck. Off the end of the tubing attach your 1/4 wave wire and let it droop down. Attach another 1/4 wire at the end point and have it go right back into the apt. and let it lay where it may. Feed this coax, or you can use 300ohm twinlead and a tuner. Neat thing about this antenna is, that the high current or radiating portion is away from the building. May reduce or eliminate the tvi(front end overload) and may even take care of the phone interference. Radio Shack sells very inexpensive chokes for the phone that may work. Try to keep the apex angle a little greater than 90 deg. if possible. The wire going back into the apt. could be brought in



at a higher angle for at least a little ways possibly. Good luck, Tom WB5QYT

-----  
Date: Mon, 16 Jun 1997 13:02:48 EDT  
From: ka7you@juno.com  
To: QRP-L@Lehigh.EDU  
Subject: [21430] RF Noise while mobile  
Message-ID: <19970616.091415.-29713.0.KA7YOU@juno.com>

I have an interference problem in my '85 Nissan P/U when moving. It is not ignition related, and it doesn't come in on the power wiring. It is picked up via the antenna, and is related to road speed only.

On a long hill, I started rolling with the engine off. The slow cyclic rhythm begins as soon as the truck starts rolling. By the time I'm at 20 to 25 MPH, the rhythm is no longer noticeable, and it is just a very broadbanded static. It is much more pronounced at HF frequencies and on 6M, but I hear it clear up into the 1.2 Ghz band.

Could this be from mechanical parts, such as wheel bearings and U-joints, or from the tires? I have had the same tires the whole time. I haven't found anything in the literature recently about this kind of problem.

Are the rubber "ground straps" that I used to see dragging from under vehicles still available? Is this a possible cure?

I've had the truck for several years, and this problem is giving me fits with my Rover operation. Sometimes the noise reaches an S5 level on the Yaesu 726, and I've noticed it seems to be more pronounced during dry hot weather (somewhat of a rarity here), but in eastern Washington it is the norm.

I've used both long yagis and omnidirectional loops with the same basic problem.

I'm looking for suggestions-any suggestions.

Thanks es 73,

Rod Johnson KA7YOU from CN97AK near Issaquah, Wa. 160M thru 1296 MHz  
(3456MHz still in the wings)  
NWQRP#120 ARCI#7251 QRP-L#844 NorCal #2007

-----  
Date: Mon, 16 Jun 1997 15:13:05 -0400 (EDT)  
From: "J. Skalski" <jskalski@acsu.buffalo.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [21431] intellig xcvr  
Message-ID: <Pine.GS0.3.96.970616151124.24324A-1000000@joxer.acsu.buffalo.edu>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Has anyone programmed the EPROM 27c64?

Is there a source for it already programmed? If not; I have more homework to do :-)

73,

Jim N2G0  
The Buffalo QRP CONNECTION  
ARCI #9013 QRP-L #381  
Life member ARRL  
jskalski@acsu.Buffalo.EDU

-----  
Date: Mon, 16 Jun 1997 14:10:38 -0500  
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)  
To: qrp-l@Lehigh.EDU  
Subject: [21432] SST SHIPPING STATUS?  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part

Gang:

Anybody know the shipping status (how long a new order will take)?

I know Bob is/has shipped the pre-release kits. Are new orders being shipped as yet? I called him, but nobody answered (maybe they were at lunch)?

Want to order one, but really would like it here before FD.  
Thanks for any info.

73 de Dave NR3E/5  
nr Dallas, TX

qrp-l #25, ARRL

WIMPS: Qs=045 30m=032 17m=08 12m=05 States=024/05/04

DX=02/00/01

-----  
Date: Mon, 16 Jun 1997 15:41:36 -0400 (EDT)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: QRP Reflector <qrp-l@Lehigh.EDU>  
Subject: [21433] First SST to SST QSO?  
Message-ID: <Pine.LNX.3.93.970616153948.521D-100000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Still gotta get mine (30M) put together, but has there been a 2x SST QSO yet? Or am I still in the running for a "first"?

72

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- N3XRV QRP WAS 15/9 (w/c) | ccart@erols.com --  
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | http://dns.vidtel.com/~ccart --  
-- WIMPS Q's=02 30M=02 17M=00 12M=00 STATES=02/00/00 DX=00/00/00 QSL's=00 --

-----  
Date: Mon, 16 Jun 1997 15:49:09 -0400 (EDT)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: QRP Reflector <qrp-l@Lehigh.EDU>  
Subject: [21434] Re: RF Noise while mobile  
Message-ID: <Pine.LNX.3.93.970616154212.521F-100000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 16 Jun 1997 ka7you@juno.com wrote:

> Could this be from mechanical parts, such as wheel bearings and  
> U-joints, or from the tires? I have had the same tires the whole time.

I used to have an ARRL Handbook from the 40's? That book had a whole section (article?) on wheel static. As I remember, they grounded the wheel to the axle with a little commutator (sp?) from the bearing cap to the axle. I'm not sure if you can still do that with todays cars, and since my Suburban is 4x4, no easy access grease caps. Wish I still had all thos "ancient" handbooks, but I think the ex-XYL had a cerimonial

cremation :) Now I gotta got see how I can ground my wheels...

```
-- Chris Cartwright,   Technical Engineer   |       ccart@vidtel.com       --
-- N3XRV               QRP WAS 15/9 (w/c)   |       ccart@erols.com       --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #????? | http://dns.vidtel.com/~ccart --
-- WIMPS Q's=02 30M=02 17M=00 12M=00 STATES=02/00/00 DX=00/00/00 QSL's=00 --
```

-----

Date: Mon, 16 Jun 1997 13:56:28 -0600  
From: AE0Q V31RY <v31ry@ix.netcom.com>  
To: AA0QX@Prodigy.Net  
Cc: qrp-l@Lehigh.EDU  
Subject: [21435] Re: CW Fists/ Paddle/Keyer  
Message-ID: <2.2.16.19970616195628.2fe7ae2a@popd.ix.netcom.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I wrote

```
>> Have you tried one of the little Whiterook paddles?? They're only $10
>> (postpaid!) and work pretty well.. I use mine camping, and some friends
>> have theirs permanently stuck to the console between the seats of their
>> vehicles for mobile operating.. It's not like a $100 set of paddles, but
>> they do work OK.. I've used them in a contest before, and they don't slow
>> me down, hi..
>>
>> Good luck -- Glenn AE0Q
```

```
>Thanks for the helpful info. I have never heard of Whiterook paddles.
>Can you give me some info on them and where to find a catalog?
>
>Thanks!
>
>Austin aa0qx
```

Here's their web site, Austin:

<http://www.west.net/~wpc/home.html>

Telephone & Fax: +1 (805) 339-0702

e-mail [wpc@west.net](mailto:wpc@west.net)

The one I have is the MK-44 Pocket Iambic Mini-Paddle, they seem to be the

most common.. I see the price has gone up a couple of bucks, still a bargain!

73 -- Glenn

-----  
"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
v31ry@ix.netcom.com --SOWP 5558-M, QCWA LM, ARRL LM, NCVA--  
<http://www.qsl.net/ae0q>

-----  
Date: Mon, 16 Jun 1997 16:02:17 -0400  
From: rerobins@unccvm.uncc.edu (Rick Robinson)  
To: qrp-l@Lehigh.EDU  
Subject: [21436] HW8 toroid problem in HW-9s?  
Message-ID: <v02130502afcb135e9fc0@[152.15.144.13]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

John, n4js wrote:

>Well, I just finished realigning the HW8 after replacing the 40M toroids. The  
>originals had 24t. I had to go to 20t to get a good peak, but I now have 2.3  
>watts on 40. 1st contact w8CWO, who gave me a 599! I guess it works!

>

>Thanks to all who told me about the toroid saturation thing. I wouldn't have  
>thought of it without your input.

Anyone have an idea if this problem exists in HW-9s? I have an ornery one  
with low power output that I'd love to tame. After reworking most of it,  
I'm left wondering about the toroids.

72,

Rick kf4ar

-----  
Date: Mon, 16 Jun 1997 20:05:29 GMT  
From: mdwatt@usit.net (Marty Watt)

To: qrp-1@Lehigh.EDU, tentec@contesting.com  
Subject: [21437] Re: FS or FT -- Shack Cleaning  
Message-ID: <33ad9c19.196229808@smtp.usit.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

On Thu, 12 Jun 1997 21:39:13 GMT, mdwatt@usit.net (Marty Watt)  
wrote:

>Items for sale or trade. Prices do not include shipping, unless  
>otherwise indicated. Prefer trades on clean equipment:  
>  
>TenTec Argo 556 with Noise Blanker, Hand Mic. \*ALL\* HF Band modules  
>included. Pristine condition (mint, near like-new). \$625 (MSRP  
>about \$800 new)  
>  
>Outbacker, Jr., HF Mobile antenna (80-10m, 4 ft.) \$125 (MSRP about  
>\$230 new)

\*\*\*DEAL PENDING\*\*\*

>Bearcat 200XLT, full coverage including cell frequencies. Uniden  
>Bearcat leather case, 2 battery packs (one works, one struggles),  
>MetroWest ProPower II charger stand, wall charger. \$225 (MSRP  
>unknown new, would \*guess\* about \$350 for all the stuff)  
>  
>Alinco DR-110T 2-meter mobile. 45W rated output. Left backlight  
>out, numerals still visible. \$135 (MSRP, when new some 8 years ago,  
>was \$249 -- receipts of purchase, manual provided).

\*\*\*DEAL PENDING\*\*\*

>  
>  
>\*\*\*\*\*  
>Argo/Outbacker package price: \$725 including shipping USPS Priority  
>Mail (US addresses only).

>  
>\*\*\*\*\*  
>  
>

>Items wanted:

>  
>Compact HF rig, with general coverage receive, capable of MARS  
>modification, QRO power adjustable to QRP (5w or less). Need for  
>MARS and general SWLing.  
>  
>Dual-band mobile VHF/UHF rig, base or mobile (no HTs), cross-band  
>repeat, high power (35W VHF/25W UHF or more), prefer dual receive

>display, would \*like\* controllable via UHF handheld (for remote base  
>use -- some older Alinco dual-band mobiles will do this) and would  
>\*like\* extended receive to include Aircraft AM.  
>  
>200+ channel handheld scanner, 25-956 MHz or greater (cell-blocked  
>ok, looking for 800/900 MHz coverage and 176-400 MHz military  
>aircraft coverage), with good battery pack and wall charger.  
>  
>NOTE: Will ONLY swap the Argo in conjunction with an HF rig deal.  
>  
>e-mail contact to: mdwatt@usit.net  
>  
>First come, first served.  
>  
>72 es 73 de=20  
>Marty, KM7W  
>  
>-----  
>Jackson, Tennessee e-mail: mdwatt@usit.net  
> http://www.public.usit.net/mdwatt  
> "The Curmudgeon's Corner"  
>NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
>-----

-----  
Date: Mon, 16 Jun 1997 16:13:39 +0000  
From: Greg Emerson <gregemmy@lni.net>  
To: qrp-l@Lehigh.EDU  
Subject: [21438] ICQ  
Message-ID: <33A56633.4DE5@lni.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Sorry to take up bandwidth with this, but it's pretty cool.

ICQ (I seek you) ... An Internet Communication utility that allows  
you  
to communicate DIRECTLY with one or more persons. ICQ is a GREAT  
utility  
(and FREE for now) that will alert you if a buddy is on-line..allow you  
to  
page that friend and have a BS session. You can send files directly to  
another person...send Email notes to them (in fact this has replaced  
much  
of my Email..)

For All the INFO:  
<http://www.mirabilis.com>

If any one wants to add me to their ICQ contact list, my number is  
1387626

Greg WG8N

-----  
Date: Mon, 16 Jun 1997 12:01:00 -0500  
From: Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>  
To: qrp-1@Lehigh.EDU (Receipt Notification Requested)  
Subject: [21439] R/S Clocks  
Message-ID: <M1945075.008.vy2x7.1.970616202549Z.CC-MAIL\*/OU=LMPCC4/OU=ILBB/  
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Marty, KM7W

Thanks for the input on the Radio Shack clocks.

I'll add it to my summary.

I'm keeping the file for continuous update, in hopes others will occasionally  
chime in with their latest finds.

73, Bob N6WG

-----  
Date: Mon, 16 Jun 1997 14:11:17 +0000  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-1@Lehigh.EDU  
Subject: [21440] CQC Swap List  
Message-ID: <199706162017.0AA25643@lynx.csn.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

The CQC Swap List has been updated. It's available on the WWW:  
<http://www.mtechnologies.com/mthome> (then look for CQC logo) or  
via email (send subscription request to [cqcswap@mtechnologies.com](mailto:cqcswap@mtechnologies.com)).

73

Marshall Emm  
AA0XI/VK5FN



aa0xi@mtechnologies.com  
<http://www.mtechnologies.com/mthome>

-----  
Date: Mon, 16 Jun 1997 16:23:46 +0100  
From: "Bob Duckworth" <wb4mnf@atl.org>  
To: <gregemmy@lni.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [21441] Re: ICQ  
Message-ID: <199706162020.QAA11958@atl.org>

Talk works just fine for this and has been around forever.  
No special number needed.  
-bob

-----  
Date: Mon, 16 Jun 1997 21:47:55 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-1@Lehigh.EDU  
Subject: [21442] SST Shipping  
Message-ID: <199706162047.VAA18363@chuck.dallas.sgi.com>

I had talked to Bob at Wilderness Radio earlier in the day and he was on the way to the post office to ship a bunch of kits. My order at Dayton was among those going out, so he is busy catching up. Packing several hundred kits has got to be some chore.

Doug Hendricks and others that have packed kits for clubs know the work involved and the timing with suppliers. The only thing that we can do is to stay loose and get ready when the package arrives at the door. So if you called Bob and didn't get an answer he was at the post office I'm sure.

I got lucky in my call to him and caught him.

Now I'm worried. I ordered my SST for 30M. I am hoping that someone else has one on the same band so that we can do the first 2x SST 30M QSO. :-)  
All I've seen are 20M guys postings.

Shall we say

- o scheduled QSOs do not count in this race?
- o LOS (line-of-site) doesn't count
- o ground wave doesn't count
- o announcements on web pages and qrp-l as to when you be on and what freq(s)

only just plain random QSOs and you get lucky. I have to disqualify myself as you know when I'm on and where.

Someone asked me earlier how the new wire was working and does it hear better? In fact it does. Was listening to EU late on 30M last night. I forgot to check if the long side of the OCF antenna was on the 'hot' side of the tuner.

Back to your regularly scheduled programming....

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/>

WIMPS: Qs=037 30m=32 17m=5 12m=0 States=22/05/00 DX=03/00/00 QSLs=014

-----  
 Date: Mon, 16 Jun 1997 10:03:01 -0500  
 From: "j.w. thornton" <dub@oklahoma.net>  
 To: qrp-l@Lehigh.EDU  
 Subject: [21443] Re: intellig xcvr  
 Message-ID: <3.0.32.19970616100259.00ceb25c@okc.oklahoma.net>  
 Mime-Version: 1.0  
 Content-Type: text/plain; charset="us-ascii"

At 03:13 PM 6/16/97 -0400, you wrote:

>  
 >Has anyone programmed the EPROM 27c64?  
 >  
 >Is there a source for it already programmed? If not; I have more homework

Hey Jim: In conversation with Randy a few days ago, he stated that while he was not really looking for that business, he could supply the programmed Eprom. Price quoted was \$15.00.

Dub WA5YFY  
 J. W. (Dub) Thornton  
 QRP-l # 159  
 ARCI #6982

NW QRP # 427  
Minco, Okla. 73059

-----  
Date: Mon, 16 Jun 1997 11:46:00 -0500  
From: Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>  
To: KC4MHM@juno.com (Receipt Notification Requested)  
Cc: qrp-1@Lehigh.EDU  
Subject: [21444] Filing resistors  
Message-ID: <M1945074.007.vy2x6.1.970616202548Z.CC-MAIL\*/OU=LMPCC4/OU=ILBB/  
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Ed:

Filing a groove in resistors to raise them to a specific value is an old dodge, been in use for years.

You have to start with a resistor lower in value than your target value, but fairly close. Then carefully file a groove across the body of the resistor, removing a very small amount of resistor material at a time. As you reduce the effective cross section of the resistor, you increase its value. Use an ohmmeter with an accuracy you trust to monitor your progress.

As a final touch, seal the opening with polystyrene coil dope, nail polish, etc, to prevent weather (humidity mostly) from degrading the exposed resistor material.

73, Bob N6WG

-----  
Date: Mon, 16 Jun 1997 16:14:24 -0500  
From: SDULANEY@ccmail.dsccc.com  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [21445] Re[2]: RF Noise while mobile  
Message-ID: <0003B55B.3370@ccmail.dsccc.com>  
Mime-Version: 1.0  
Content-Type: multipart/mixed; boundary="IMA.Boundary.330694668"

--IMA.Boundary.330694668  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part

It is amazing the amount of information that has been discovered in bygone days and subsequently forgotten.

Steve  
KC5FFK

----- Mandatory tagline -----

Those who do not read history are doomed to repeat it.

The views expressed in this post are mine and not my employer.

----- Reply Separator -----  
Subject: Re: RFD Noise while mobile  
Author: Chris Cartwright <ccart@dns.vidtel.com> at smtplink  
Date: 6/16/97 3:49 PM

On Mon, 16 Jun 1997 ka7you@juno.com wrote:

> Could this be from mechanical parts, such as wheel bearings and  
> U-joints, or from the tires? I have had the same tires the whole time.

I used to have an ARRL Handbook from the 40's? That book had a whole section (article?) on wheel static. As I remember, they grounded the wheel to the axle with a little commutator (sp?) from the bearing cap to the axle. I'm not sure if you can still do that with todays cars, and since my Suburban is 4x4, no easy access grease caps. Wish I still had all thos "ancient" handbooks, but I think the ex-XYL had a cerimonial cremation :) Now I gotta got see how I can ground my wheels...

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- N3XRV QRP WAS 15/9 (w/c) | ccart@erols.com --  
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | http://dns.vidtel.com/~ccart --  
-- WIMPS Q's=02 30M=02 17M=00 12M=00 STATES=02/00/00 DX=00/00/00 QSL's=00 --

--IMA.Boundary.330694668  
Content-Type: text/plain; charset=US-ASCII; name="RFC822 message headers"  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part  
Content-Disposition: inline; filename="RFC822 message headers"

Received: from camelot.dsccc.com (192.1.1.19) by ccmil.dsccc.com with SMTP  
(IMA Internet Exchange 2.1 Enterprise) id 0003B1B8; Mon, 16 Jun 97 14:54:46  
-0500

Received: from offramp.dsccc.com (onramp.dsccc.com [192.1.1.139]) by

camelot.dsccc.com (8.6.11/8.6.10) with SMTP id OAA14776; Mon, 16 Jun 1997  
14:52:38 -0500  
Received: by offramp.dsccc.com (5.67b/SMI-V1.8)  
id AA02114; Mon, 16 Jun 1997 14:55:58 -0500  
Received: from fidoid.cc.lehigh.edu(128.180.1.4) by offramp via smap (V1.3mjr)  
id sma001989; Mon Jun 16 14:55:07 1997  
Received: from Lehigh.EDU ([127.0.0.1]) by fidoid.cc.Lehigh.EDU with SMTP id  
<35108-58658>; Mon, 16 Jun 1997 15:46:26 -0400  
Received: from nss2.CC.Lehigh.EDU ([128.180.1.26]) by fidoid.cc.Lehigh.EDU with  
ESMTP id <35115-58658>; Mon, 16 Jun 1997 15:45:56 -0400  
Received: from dns.vidtel.com (root@dns.vidtel.com [207.113.13.150])  
by nss2.CC.Lehigh.EDU (8.8.5/8.8.5) with ESMTP id PAA39100  
for <qrp-l@lehigh.edu>; Mon, 16 Jun 1997 15:45:51 -0400  
Received: from dns.vidtel.com (ccart@dns.vidtel.com [207.113.13.150]) by  
dns.vidtel.com (8.7.5/8.7.3) with SMTP id PAA03617 for <qrp-l@lehigh.edu>; Mon,  
16 Jun 1997 15:49:09 -0400  
Message-Id: <Pine.LNX.3.93.970616154212.521F-100000@dns.vidtel.com>  
Date: Mon, 16 Jun 1997 15:49:09 -0400 (EDT)  
Reply-To: ccart@dns.vidtel.com  
Sender: owner-qrp-l@Lehigh.EDU  
Precedence: bulk  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: Re: RF Noise while mobile  
In-Reply-To: <19970616.091415.-29713.0.KA7YOU@juno.com>  
Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII  
X-To: QRP Reflector <qrp-l@Lehigh.EDU>  
X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN

--IMA.Boundary.330694668--

-----  
Date: Mon, 16 Jun 1997 10:17:39 -0500  
From: "j.w. thornton" <dub@oklahoma.net>  
To: qrp-l@Lehigh.EDU  
Subject: [21446] Re: ICQ  
Message-ID: <3.0.32.19970616101323.00ced090@okc.oklahoma.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 04:23 PM 6/16/97 +0100, you wrote:  
>Talk works just fine for this and has been around forever.  
>No special number needed.  
>-bob

Guess I am a little dense, dont see the connection. While I dont frequent the chat channels, I do find ICQ to be a very nice lil utility Alerts me when buddies or one of my kids are online when I sign on, and will go out and "fetch em" for a keyboard chat. "72"

Dub WA5YFY  
J. W. (Dub) Thornton  
QRP-1 # 159  
ARCI #6982  
NW QRP # 427  
Minco, Okla. 73059

-----  
Date: Mon, 16 Jun 1997 17:26:44 -0400  
From: Randy Hargenrader <randyh@harksystems.com>  
To: qrp-1@Lehigh.EDU  
Subject: [21447] 30mtr ant from Hustler parts...  
Message-ID: <33A5AF94.75CC@harksystems.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,  
Spent a little lunch time today playing with a Fathers Day gift- an Autek RF-1!!!  
Got my Hustler 20 mtr resonator to tune to 30 mtrs by exchanging the adjustable whip section from a 40 mtr resonator (which is longer) with the whip on the 20mtr resonator. Added a 12" piece of wire to that at the very top of the antenna with an alligator clip and Viola! Resonant at 10.110!! The Hustlers seem to do a better job for me than the Hamstick by a few S units. And, I noticed that in this configuration, that it was more broad-banded than the Hamstick. BTW, the 40 mter resonator wouldnt go high enough even with the whip totally removed.

--  
73, (Sir)Randy WJ4P(/M)  
Knightlites QRP-L #296 ARCI #9152 1996 40-9er High Scorer

-----  
Date: Mon, 16 Jun 1997 17:39:22 -0400  
From: KKumar@tele-tv.com (Krishna Kumar)  
To: qrp-1@Lehigh.EDU  
Subject: [21448] St Louis Vertical/indoor dipole - TVI (e-mail address)  
Message-ID: <0000A598.1755@tele-tv.com>

Hi gang,

looks like the UUNET Provider around the Washington area are experiencing network problems, due to a hub failure. So if u guys send a mail response to my earlier question today, please bounce it back to kkumar@imake.com . Sorry guys, i never wanted to loose your valuable suggestions.

Thanks  
krishna  
w4/vu2vku

-----  
Date: Mon, 16 Jun 1997 16:55:31 -0500 (CDT)  
From: John Seboldt <rohrwerk@pconline.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [21449] Re: Loop Skywire for QRP?  
Message-ID: <Pine.LNX.3.95.970616165029.25779B-1000000@newton.pconline.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Date: Sat, 14 Jun 1997 17:55:02 -0400 (EDT)  
> From: JFKluender@aol.com

> Does anyone out there have any knowledge or opinions of the Loop Skywire  
> antenna? This antenna is decscribed in the ARRL Handbook as being a great  
> multiband performer. I am thinking about building the 80M version which will  
> work well on the ham bands between 3.5 & 30 Mhz, so the review claims.

Great general purpose antenna! Yes, by all means feed with open wire and a tuner. Mine is about 350 feet around, in a roughly triangular shape, with heights varying from 15 to 40 feet depending on the trees. This is obviously not resonant on any particular band, but kind of an extension of the principle of multiband tuned-feeder antennas: as much wire as you can, as high as you can, and don't worry about it! Pattern? I have no idea. It just gets out.

> antenna will operate on it's design frequency, and all harmonics.

> Joel, NF9K

Actually ANY frequency, forget the harmonic question.

John Seboldt K0JD

<http://www.pconline.com/~rohrwerk/k0jd/>

-----  
Date: Mon, 16 Jun 1997 17:14:40 EDT  
From: kd4kzq@juno.com (Jim A Norworthy)  
To: qrp-l@Lehigh.EDU  
Subject: [21450] SLV/Feed Lines  
Message-ID: <19970616.160832.7223.0.kd4kzq@juno.com>

Help Gang,

I tried out my SLV briefly last Sat. and noticed that I had to hook the twin lead to the 'wire' post and 'ground' to get the antenna to "hear or xmit" anything. Is this correct? I couldn't hear anything when I hooked the twin lead to the 'balanced' connections on my MFJ-949 tuner. Ant insight would be appreciated. I don't know much but I'd like to learn.

TNX,  
72/73 es CUL de Jim KD4KZQ  
kd4kzq@juno.com  
QRP-L#1060 10-10#66171  
"Less is really MORE" think about it

-----  
Date: Mon, 16 Jun 1997 14:40:44 -0700  
From: torell@sicom.com (Kent Torell)  
To: qrp-l@Lehigh.EDU  
Subject: [21451] Rick Littlefield  
Message-ID: <v02130502afcb62960908@[192.91.202.41]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

Who out there knows what Rick Littlefield looks like? A 'Rik' Littlefield is pictured on the cover of the June 'Portable Design' magazine, carrying a 80 pound backpack...it's an ultrasonic imaging system designed for the army by the folks at Battelle in Richland, Washington.

Right guy, wrong guy ????



Kent Torell    torell@sicom.com    602-607-4852  
SICOM    7585 E. Redfield, #202    Scottsdale, AZ    85260  
AB70A    scQRPion 6,qrp-1 57,ARCI 9075    DM33xn 33.55 N 112.078 W

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Date: Mon, 16 Jun 1997 17:23:09 -0500 (CDT)  
From: Bill Howell <bhowell@mail.utexas.edu>  
To: qrp-1@Lehigh.EDU  
Cc: JFKluender@aol.com  
Subject: [21452] Re: Loop Skywire  
Message-ID: <199706162223.RAA26057@mail.utexas.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Joel, NF9K wrote:

Does anyone out there have any knowledge or opinions of the Loop Skywire antenna?

>>>>>> letter edited, as a courtesy <<<<<<<<<<

Joel,

I put up a 272 ft. Skywire. Fed it in the center of one side, with coax. It's the noisiest ant I have (others are 40m inv vee, G5RV, R7). This may just be my location (power lines on two sides).

I checked it with an MFJ analyzer and SWR was pretty poor on any band. Antennas West suggested feeding it at a corner (lower impedance point, I believe. Better match to coax).

Now for the good side.

A friend put one up using #12 or #14 house wire (single conductor...\*not\* a piece of Romex 8^). He put the analyzer on it and got excellent SWR readings on all bands. Says it's a great, quiet antenna. Works FB for him.

BTW, I support mine with two screen-door springs, at opposite corners. Keeps it from breaking when the trees sway!

Bill Howell  
University of Texas at Austin  
Performing Arts Center  
Electronic Maintenance

voice 512.471.1388  
bhowell@mail.utexas.edu  
N5ALO QRP-L #415

everything is sacred  
nothing is serious

-----  
Date: Mon, 16 Jun 1997 15:37:23 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [21453] Butternut Vertical Efficiency?  
Message-ID: <33A5C023.7800@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well qrp-lers, 2 weeks ago I dnloaded the patent 4442436  
and one alert member mentioned this was the butternut  
vertical patent. (I had mentioned only that I had found  
an interesting antenna patent that appeared NOVEL in design."

Now, I have fully digested the patent and have developed  
intimate knowledge of the 'hows and whys' associated with  
its design.

My intention is to modify my existing two portable mast  
verticals for easier multi-band operation.

The creation of a wire-style portable appears imminent:  
Since the HV6V (Butternut), is designed for High-power, I  
expect a qrp-ers versions might be built from a combination  
of Coaxial line for the bottom, and 300Z twinlead for the  
top portion.

QUESTION: I would like to know of any data collected on  
this antenna regarding Radiation Resistance/Efficiency  
for each band as designed. 80/40/30/15/10 Meters.

Also: Availability of additional documentation analyzing  
the design.

Thanks in Advance and Love this QRP!

P.S: I'll be operating 50/40/30 on Thursday 6/19, I'll post a reminder with specifics on Tuesday. And don't forget to listen for Steve, K4JPN on Tuesday night's 50/40/30 sked for Georgia!

-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.  
QRP-L#1068/Norcal#2227/ARCI#????  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

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Date: Mon, 16 Jun 1997 16:09:29 EDT  
From: ka7you@juno.com  
To: QRP-L@Lehigh.EDU  
Cc: N7VOE@aol.com  
Subject: [21454] RE: 38S needs help-ERROR in E-mail address  
Message-ID: <19970616.122110.-29713.4.KA7YOU@juno.com>

I messed up big time here. Dan's (N7VOE) E-mail is: N7VOE@AOL.COM. He needs help with the 38S transmitting from ~9.875 to 10.075, and he can't get it any higher.

Sorry for the BW 7 3,

Rod Johnson KA7YOU from CN97AK near Issaquah, Wa. 160M thru 1296 MHz (3456MHz still in the wings)

NWQRP#120 ARCI#7251 QRP-L#844 NorCal #2007

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End of QRP-L Digest 759

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